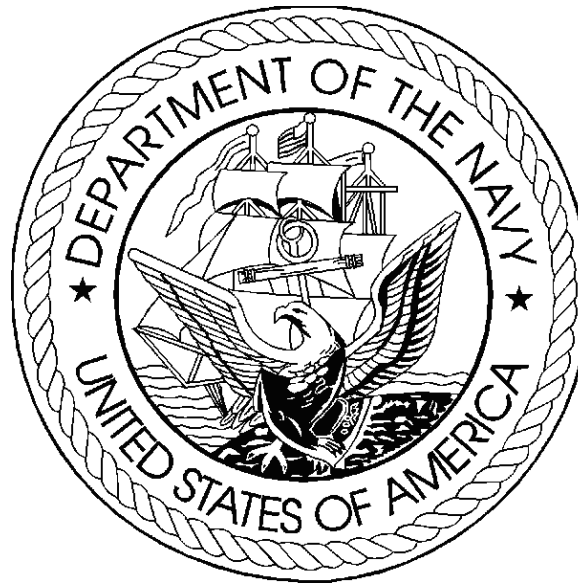


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**Department of Defense  
Fiscal Year (FY) 2016 President's Budget Submission**

February 2015



**Navy**

*Justification Book Volume 4 of 5*

***Other Procurement, Navy***

**Budget Activity 04**

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The estimated total cost for producing the Department of Navy budget justification material is approximately \$1,436,000 for the 2015 fiscal year.  
This includes \$74,000 in supplies and \$1,362,000 in labor.

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Navy • President's Budget Submission FY 2016 • Procurement

**Volume 4 Table of Contents**

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## **Department of Defense Appropriations Act, 2016**

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### **Other Procurement, Navy**

For procurement, production, and modernization of support equipment and materials not otherwise provided for, Navy ordnance (except ordnance for new aircraft, new ships, and ships authorized for conversion); the purchase of passenger motor vehicles for replacement only; expansion of public and private plants, including the land necessary therefore, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway, \$6,626,901,000, to remain available for obligation until September 30, 2018.

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## UNCLASSIFIED

Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

| Appropriation<br>-----       | FY 2014<br>(Base & OCO)<br>----- | FY 2015<br>Base Enacted<br>----- | FY 2015<br>OCO Enacted<br>----- | FY 2015<br>Total Enacted<br>----- |
|------------------------------|----------------------------------|----------------------------------|---------------------------------|-----------------------------------|
| Other Procurement, Navy      | 5,689,605                        | 5,846,558                        | 123,710                         | 5,970,268                         |
| Total Department of the Navy | 5,689,605                        | 5,846,558                        | 123,710                         | 5,970,268                         |

## UNCLASSIFIED

Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

| Appropriation<br>-----       | FY 2016<br>Base<br>----- | FY 2016<br>OCO<br>----- | FY 2016<br>Total<br>----- |
|------------------------------|--------------------------|-------------------------|---------------------------|
| Other Procurement, Navy      | 6,614,715                | 12,186                  | 6,626,901                 |
| Total Department of the Navy | 6,614,715                | 12,186                  | 6,626,901                 |



## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit P-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

09 Jan 2015

## Appropriation: Other Procurement, Navy

| Budget Activity<br>-----               | FY 2014<br>(Base & OCO)<br>----- | FY 2015<br>Base Enacted<br>----- | FY 2015<br>OCO Enacted<br>----- | FY 2015<br>Total Enacted<br>----- |
|----------------------------------------|----------------------------------|----------------------------------|---------------------------------|-----------------------------------|
| 01. Ships Support Equipment            | 1,451,727                        | 1,826,087                        | 8,210                           | 1,834,297                         |
| 02. Communications & Electronics Equip | 2,092,833                        | 2,224,244                        | 5,870                           | 2,230,114                         |
| 03. Aviation Support Equipment         | 461,283                          | 369,182                          |                                 | 369,182                           |
| 04. Ordnance Support Equipment         | 871,905                          | 581,412                          | 103,930                         | 685,342                           |
| 05. Civil Engineering Support Equip    | 79,117                           | 53,042                           | 3,300                           | 56,342                            |
| 06. Supply Support Equipment           | 55,005                           | 88,200                           |                                 | 88,200                            |
| 07. Personnel & Command Support Equip  | 432,019                          | 379,307                          |                                 | 381,707                           |
| 08. Spares and Repair Parts            | 245,716                          | 325,084                          |                                 | 325,084                           |
| Total Other Procurement, Navy          | 5,689,605                        | 5,846,558                        | 123,710                         | 5,970,268                         |

## UNCLASSIFIED

Department of the Navy  
 FY 2016 President's Budget  
 Exhibit P-1 FY 2016 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

09 Jan 2015

## Appropriation: Other Procurement, Navy

| Budget Activity<br>-----               | FY 2016<br>Base<br>----- | FY 2016<br>OCO<br>----- | FY 2016<br>Total<br>----- |
|----------------------------------------|--------------------------|-------------------------|---------------------------|
| 01. Ships Support Equipment            | 1,902,164                |                         | 1,902,164                 |
| 02. Communications & Electronics Equip | 2,382,342                |                         | 2,382,342                 |
| 03. Aviation Support Equipment         | 419,225                  |                         | 419,225                   |
| 04. Ordnance Support Equipment         | 874,442                  |                         | 874,442                   |
| 05. Civil Engineering Support Equip    | 54,933                   | 186                     | 55,119                    |
| 06. Supply Support Equipment           | 246,708                  |                         | 246,708                   |
| 07. Personnel & Command Support Equip  | 406,858                  |                         | 418,858                   |
| 08. Spares and Repair Parts            | 328,043                  |                         | 328,043                   |
| Total Other Procurement, Navy          | 6,614,715                | 12,186                  | 6,626,901                 |

## UNCLASSIFIED

Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No                                  | Item Nomenclature                       | Ident<br>Code | FY 2014<br>(Base & OCO)<br>Quantity Cost | FY 2015<br>Base Enacted<br>Quantity Cost | FY 2015<br>OCO Enacted<br>Quantity Cost | FY 2015<br>Total Enacted<br>Quantity Cost | S<br>e<br>c |
|---------------------------------------------|-----------------------------------------|---------------|------------------------------------------|------------------------------------------|-----------------------------------------|-------------------------------------------|-------------|
| -----                                       | -----                                   | -----         | -----                                    | -----                                    | -----                                   | -----                                     | -           |
| Budget Activity 01: Ships Support Equipment |                                         |               |                                          |                                          |                                         |                                           |             |
| -----                                       |                                         |               |                                          |                                          |                                         |                                           |             |
| Ship Propulsion Equipment                   |                                         |               |                                          |                                          |                                         |                                           |             |
| 1                                           | LM-2500 Gas Turbine                     | A             | 9,022                                    | 7,822                                    |                                         | 7,822                                     | U           |
| 2                                           | Allison 501k Gas Turbine                | A             | 5,536                                    | 2,155                                    |                                         | 2,155                                     | U           |
| 3                                           | Hybrid Electric Drive (HED)             |               |                                          | 12,638                                   |                                         | 12,638                                    | U           |
| Generators                                  |                                         |               |                                          |                                          |                                         |                                           |             |
| 4                                           | Surface Combatant HM&E                  | A             | 16,129                                   | 26,664                                   |                                         | 26,664                                    | U           |
| Navigation Equipment                        |                                         |               |                                          |                                          |                                         |                                           |             |
| 5                                           | Other Navigation Equipment              | A             | 33,386                                   | 39,298                                   |                                         | 39,298                                    | U           |
| Periscopes                                  |                                         |               |                                          |                                          |                                         |                                           |             |
| 6                                           | Sub Periscopes & Imaging Equip          | A             | 45,704                                   | 57,221                                   |                                         | 57,221                                    | U           |
| Other Shipboard Equipment                   |                                         |               |                                          |                                          |                                         |                                           |             |
| 7                                           | DDG Mod                                 | A             | 285,994                                  | 324,219                                  |                                         | 324,219                                   | U           |
| 8                                           | Firefighting Equipment                  | A             | 14,389                                   | 15,134                                   |                                         | 15,134                                    | U           |
| 9                                           | Command and Control Switchboard         | A             | 2,436                                    | 2,219                                    |                                         | 2,219                                     | U           |
| 10                                          | LHA/LHD Midlife                         | A             | 6,350                                    | 14,048                                   |                                         | 14,048                                    | U           |
| 11                                          | LCC 19/20 Extended Service Life Program | A             | 37,329                                   | 22,025                                   |                                         | 22,025                                    | U           |
| 12                                          | Pollution Control Equipment             | B             | 17,514                                   | 10,146                                   |                                         | 10,146                                    | U           |
| 13                                          | Submarine Support Equipment             | A             | 10,074                                   | 11,815                                   |                                         | 11,815                                    | U           |
| 14                                          | Virginia Class Support Equipment        | A             | 69,341                                   | 70,689                                   |                                         | 70,689                                    | U           |
| 15                                          | LCS Class Support Equipment             |               | 47,078                                   | 25,742                                   |                                         | 25,742                                    | U           |

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:31:22

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## UNCLASSIFIED

Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No                                  | Item Nomenclature                       | Ident<br>Code | FY 2016<br>Base<br>Quantity | Cost    | FY 2016<br>OCO<br>Quantity | Cost | FY 2016<br>Total<br>Quantity | Cost | S<br>e<br>c |
|---------------------------------------------|-----------------------------------------|---------------|-----------------------------|---------|----------------------------|------|------------------------------|------|-------------|
| ----                                        | -----                                   | -----         | -----                       | ----    | -----                      | ---- | -----                        | ---- | -           |
| Budget Activity 01: Ships Support Equipment |                                         |               |                             |         |                            |      |                              |      |             |
| -----                                       |                                         |               |                             |         |                            |      |                              |      |             |
| Ship Propulsion Equipment                   |                                         |               |                             |         |                            |      |                              |      |             |
| 1                                           | LM-2500 Gas Turbine                     | A             |                             | 4,881   |                            |      | 4,881                        |      | U           |
| 2                                           | Allison 501k Gas Turbine                | A             |                             | 5,814   |                            |      | 5,814                        |      | U           |
| 3                                           | Hybrid Electric Drive (HED)             |               |                             | 32,906  |                            |      | 32,906                       |      | U           |
| Generators                                  |                                         |               |                             |         |                            |      |                              |      |             |
| 4                                           | Surface Combatant HM&E                  | A             |                             | 36,860  |                            |      | 36,860                       |      | U           |
| Navigation Equipment                        |                                         |               |                             |         |                            |      |                              |      |             |
| 5                                           | Other Navigation Equipment              | A             |                             | 87,481  |                            |      | 87,481                       |      | U           |
| Periscopes                                  |                                         |               |                             |         |                            |      |                              |      |             |
| 6                                           | Sub Periscopes & Imaging Equip          | A             |                             | 63,109  |                            |      | 63,109                       |      | U           |
| Other Shipboard Equipment                   |                                         |               |                             |         |                            |      |                              |      |             |
| 7                                           | DDG Mod                                 | A             |                             | 364,157 |                            |      | 364,157                      |      | U           |
| 8                                           | Firefighting Equipment                  | A             |                             | 16,089  |                            |      | 16,089                       |      | U           |
| 9                                           | Command and Control Switchboard         | A             |                             | 2,255   |                            |      | 2,255                        |      | U           |
| 10                                          | LHA/LHD Midlife                         | A             |                             | 28,571  |                            |      | 28,571                       |      | U           |
| 11                                          | LCC 19/20 Extended Service Life Program | A             |                             | 12,313  |                            |      | 12,313                       |      | U           |
| 12                                          | Pollution Control Equipment             | B             |                             | 16,609  |                            |      | 16,609                       |      | U           |
| 13                                          | Submarine Support Equipment             | A             |                             | 10,498  |                            |      | 10,498                       |      | U           |
| 14                                          | Virginia Class Support Equipment        | A             |                             | 35,747  |                            |      | 35,747                       |      | U           |
| 15                                          | LCS Class Support Equipment             |               |                             | 48,399  |                            |      | 48,399                       |      | U           |

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:31:22

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## UNCLASSIFIED

Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No | Item Nomenclature                | Ident<br>Code | FY 2014<br>(Base & OCO)<br>Quantity Cost | FY 2015<br>Base Enacted<br>Quantity Cost | FY 2015<br>OCO Enacted<br>Quantity Cost | FY 2015<br>Total Enacted<br>Quantity Cost | S<br>e<br>c |
|------------|----------------------------------|---------------|------------------------------------------|------------------------------------------|-----------------------------------------|-------------------------------------------|-------------|
| -----      | -----                            | -----         | -----                                    | -----                                    | -----                                   | -----                                     | -           |
| 16         | Submarine Batteries              |               | 37,000                                   | 36,352                                   |                                         | 36,352                                    | U           |
| 17         | LPD Class Support Equipment      |               | 20,425                                   | 39,519                                   |                                         | 39,519                                    | U           |
| 18         | Strategic Platform Support Equip | A             | 12,986                                   | 11,558                                   |                                         | 11,558                                    | U           |
| 19         | DSSP Equipment                   | A             | 2,455                                    | 5,518                                    |                                         | 5,518                                     | U           |
| 20         | CG Modernization                 | A             | 10,539                                   |                                          |                                         |                                           | U           |
| 21         | LCAC                             | A             | 14,431                                   | 7,158                                    |                                         | 7,158                                     | U           |
| 22         | Underwater Eod Programs          |               | 31,513                                   | 50,366                                   | 8,210                                   | 58,576                                    | U           |
| 23         | Items Less Than \$5 Million      | A             | 68,590                                   | 62,772                                   |                                         | 62,772                                    | U           |
| 24         | Chemical Warfare Detectors       | A             | 4,413                                    | 2,937                                    |                                         | 2,937                                     | U           |
| 25         | Submarine Life Support System    | A             | 8,292                                    | 8,385                                    |                                         | 8,385                                     | U           |
|            | Reactor Plant Equipment          |               |                                          |                                          |                                         |                                           |             |
| 26         | Reactor Power Units              | A             |                                          | 298,200                                  |                                         | 298,200                                   | U           |
| 27         | Reactor Components               | A             | 256,744                                  | 288,822                                  |                                         | 288,822                                   | U           |
|            | Ocean Engineering                |               |                                          |                                          |                                         |                                           |             |
| 28         | Diving and Salvage Equipment     | A             | 5,588                                    | 10,572                                   |                                         | 10,572                                    | U           |
|            | Small Boats                      |               |                                          |                                          |                                         |                                           |             |
| 29         | Standard Boats                   | A             | 28,676                                   | 126,445                                  |                                         | 126,445                                   | U           |
|            | Training Equipment               |               |                                          |                                          |                                         |                                           |             |
| 30         | Other Ships Training Equipment   | A             | 32,845                                   | 17,152                                   |                                         | 17,152                                    | U           |
|            | Production Facilities Equipment  |               |                                          |                                          |                                         |                                           |             |
| 31         | Operating Forces Ipe             | A             | 46,868                                   | 39,409                                   |                                         | 39,409                                    | U           |

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:31:22

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Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No | Item Nomenclature                | Ident<br>Code | FY 2016<br>Base<br>Quantity | Cost    | FY 2016<br>OCO<br>Quantity | Cost  | FY 2016<br>Total<br>Quantity | Cost  | S<br>e<br>c |
|------------|----------------------------------|---------------|-----------------------------|---------|----------------------------|-------|------------------------------|-------|-------------|
| -----      | -----                            | -----         | -----                       | -----   | -----                      | ----- | -----                        | ----- | -           |
| 16         | Submarine Batteries              |               |                             | 23,072  |                            |       | 23,072                       |       | U           |
| 17         | LPD Class Support Equipment      |               |                             | 55,283  |                            |       | 55,283                       |       | U           |
| 18         | Strategic Platform Support Equip | A             |                             | 18,563  |                            |       | 18,563                       |       | U           |
| 19         | DSSP Equipment                   | A             |                             | 7,376   |                            |       | 7,376                        |       | U           |
| 20         | CG Modernization                 | A             |                             |         |                            |       |                              |       | U           |
| 21         | LCAC                             | A             |                             | 20,965  |                            |       | 20,965                       |       | U           |
| 22         | Underwater Eod Programs          |               |                             | 51,652  |                            |       | 51,652                       |       | U           |
| 23         | Items Less Than \$5 Million      | A             |                             | 102,498 |                            |       | 102,498                      |       | U           |
| 24         | Chemical Warfare Detectors       | A             |                             | 3,027   |                            |       | 3,027                        |       | U           |
| 25         | Submarine Life Support System    | A             |                             | 7,399   |                            |       | 7,399                        |       | U           |
|            | Reactor Plant Equipment          |               |                             |         |                            |       |                              |       |             |
| 26         | Reactor Power Units              | A             |                             |         |                            |       |                              |       | U           |
| 27         | Reactor Components               | A             |                             | 296,095 |                            |       | 296,095                      |       | U           |
|            | Ocean Engineering                |               |                             |         |                            |       |                              |       |             |
| 28         | Diving and Salvage Equipment     | A             |                             | 15,982  |                            |       | 15,982                       |       | U           |
|            | Small Boats                      |               |                             |         |                            |       |                              |       |             |
| 29         | Standard Boats                   | A             |                             | 29,982  |                            |       | 29,982                       |       | U           |
|            | Training Equipment               |               |                             |         |                            |       |                              |       |             |
| 30         | Other Ships Training Equipment   | A             |                             | 66,538  |                            |       | 66,538                       |       | U           |
|            | Production Facilities Equipment  |               |                             |         |                            |       |                              |       |             |
| 31         | Operating Forces Ipe             | A             |                             | 71,138  |                            |       | 71,138                       |       | U           |

P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:31:22

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Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No                                             | Item Nomenclature                    | Ident<br>Code | FY 2014<br>(Base & OCO)<br>Quantity Cost | FY 2015<br>Base Enacted<br>Quantity Cost | FY 2015<br>OCO Enacted<br>Quantity Cost | FY 2015<br>Total Enacted<br>Quantity Cost | S<br>e<br>c |
|--------------------------------------------------------|--------------------------------------|---------------|------------------------------------------|------------------------------------------|-----------------------------------------|-------------------------------------------|-------------|
| -----                                                  | -----                                | -----         | -----                                    | -----                                    | -----                                   | -----                                     | -           |
| Other Ship Support                                     |                                      |               |                                          |                                          |                                         |                                           |             |
| 32                                                     | Nuclear Alterations                  | A             | 106,328                                  | 118,129                                  |                                         | 118,129                                   | U           |
| 33                                                     | LCS Common Mission Modules Equipment |               | 35,966                                   | 30,938                                   |                                         | 30,938                                    | U           |
| 34                                                     | LCS MCM Mission Modules              |               | 34,885                                   | 15,270                                   |                                         | 15,270                                    | U           |
| 35                                                     | LCS SUW Mission Modules              |               | 19,481                                   | 14,750                                   |                                         | 14,750                                    | U           |
| 36                                                     | Remote Minehunting System (RMS)      | A             |                                          |                                          |                                         |                                           | U           |
| Logistic Support                                       |                                      |               |                                          |                                          |                                         |                                           |             |
| 37                                                     | LSD Midlife                          |               | 73,420                                   |                                          |                                         |                                           | U           |
| Total Ships Support Equipment                          |                                      |               | 1,451,727                                | 1,826,087                                | 8,210                                   | 1,834,297                                 |             |
| Budget Activity 02: Communications & Electronics Equip |                                      |               |                                          |                                          |                                         |                                           |             |
| -----                                                  |                                      |               |                                          |                                          |                                         |                                           |             |
| Ship Sonars                                            |                                      |               |                                          |                                          |                                         |                                           |             |
| 38                                                     | SPQ-9B Radar                         | A             | 27,934                                   | 26,735                                   |                                         | 26,735                                    | U           |
| 39                                                     | AN/SQQ-89 Surf ASW Combat System     | A             | 83,231                                   | 78,802                                   |                                         | 78,802                                    | U           |
| 40                                                     | SSN Acoustics                        | A             | 175,852                                  | 160,932                                  |                                         | 160,932                                   | U           |
| 41                                                     | Undersea Warfare Support Equipment   | A             | 15,869                                   | 4,663                                    |                                         | 4,663                                     | U           |
| 42                                                     | Sonar Switches and Transducers       | A             | 12,953                                   | 11,621                                   |                                         | 11,621                                    | U           |
| 43                                                     | Electronic Warfare MILDEC            | A             | 8,958                                    |                                          |                                         |                                           | U           |
| ASW Electronic Equipment                               |                                      |               |                                          |                                          |                                         |                                           |             |
| 44                                                     | Submarine Acoustic Warfare System    | A             | 20,937                                   | 22,721                                   |                                         | 22,721                                    | U           |
| 45                                                     | SSTD                                 | A             |                                          | 10,653                                   |                                         | 10,653                                    | U           |
| 46                                                     | Fixed Surveillance System            | A             | 94,338                                   | 170,831                                  |                                         | 170,831                                   | U           |

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Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No                                             | Item Nomenclature                    | Ident<br>Code | FY 2016<br>Base<br>Quantity | Cost      | FY 2016<br>OCO<br>Quantity | Cost  | FY 2016<br>Total<br>Quantity | Cost  | S<br>e<br>c |
|--------------------------------------------------------|--------------------------------------|---------------|-----------------------------|-----------|----------------------------|-------|------------------------------|-------|-------------|
| -----                                                  | -----                                | -----         | -----                       | -----     | -----                      | ----- | -----                        | ----- | -           |
| Other Ship Support                                     |                                      |               |                             |           |                            |       |                              |       |             |
| 32                                                     | Nuclear Alterations                  | A             |                             | 132,625   |                            |       | 132,625                      |       | U           |
| 33                                                     | LCS Common Mission Modules Equipment |               |                             | 23,500    |                            |       | 23,500                       |       | U           |
| 34                                                     | LCS MCM Mission Modules              |               |                             | 85,151    |                            |       | 85,151                       |       | U           |
| 35                                                     | LCS SUW Mission Modules              |               |                             | 35,228    |                            |       | 35,228                       |       | U           |
| 36                                                     | Remote Minehunting System (RMS)      | A             |                             | 87,627    |                            |       | 87,627                       |       | U           |
| Logistic Support                                       |                                      |               |                             |           |                            |       |                              |       |             |
| 37                                                     | LSD Midlife                          |               |                             | 2,774     |                            |       | 2,774                        |       | U           |
|                                                        |                                      |               | -----                       |           | -----                      |       | -----                        |       |             |
| Total Ships Support Equipment                          |                                      |               |                             | 1,902,164 |                            |       | 1,902,164                    |       |             |
| Budget Activity 02: Communications & Electronics Equip |                                      |               |                             |           |                            |       |                              |       |             |
| -----                                                  |                                      |               |                             |           |                            |       |                              |       |             |
| Ship Sonars                                            |                                      |               |                             |           |                            |       |                              |       |             |
| 38                                                     | SPQ-9B Radar                         | A             |                             | 20,551    |                            |       | 20,551                       |       | U           |
| 39                                                     | AN/SQQ-89 Surf ASW Combat System     | A             |                             | 103,241   |                            |       | 103,241                      |       | U           |
| 40                                                     | SSN Acoustics                        | A             |                             | 214,835   |                            |       | 214,835                      |       | U           |
| 41                                                     | Undersea Warfare Support Equipment   | A             |                             | 7,331     |                            |       | 7,331                        |       | U           |
| 42                                                     | Sonar Switches and Transducers       | A             |                             | 11,781    |                            |       | 11,781                       |       | U           |
| 43                                                     | Electronic Warfare MILDEC            | A             |                             |           |                            |       |                              |       | U           |
| ASW Electronic Equipment                               |                                      |               |                             |           |                            |       |                              |       |             |
| 44                                                     | Submarine Acoustic Warfare System    | A             |                             | 21,119    |                            |       | 21,119                       |       | U           |
| 45                                                     | SSTD                                 | A             |                             | 8,396     |                            |       | 8,396                        |       | U           |
| 46                                                     | Fixed Surveillance System            | A             |                             | 146,968   |                            |       | 146,968                      |       | U           |

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Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No | Item Nomenclature                                                         | Ident<br>Code | FY 2014<br>(Base & OCO)<br>Quantity Cost | FY 2015<br>Base Enacted<br>Quantity Cost | FY 2015<br>OCO Enacted<br>Quantity Cost | FY 2015<br>Total Enacted<br>Quantity Cost | S<br>e<br>c |
|------------|---------------------------------------------------------------------------|---------------|------------------------------------------|------------------------------------------|-----------------------------------------|-------------------------------------------|-------------|
| ----       | -----                                                                     | -----         | -----                                    | -----                                    | -----                                   | -----                                     | -           |
| 47         | SURTASS                                                                   | A             | 9,545                                    | 9,619                                    |                                         | 9,619                                     | U           |
| 48         | Maritime Patrol and Reconnaissance Force<br>Electronic Warfare Equipment  | A             | 18,130                                   | 14,390                                   |                                         | 14,390                                    | U           |
| 49         | AN/SLQ-32<br>Reconnaissance Equipment                                     | A             | 150,353                                  | 195,082                                  |                                         | 195,082                                   | U           |
| 50         | Shipboard IW Exploit                                                      | A             | 100,736                                  | 123,362                                  |                                         | 123,362                                   | U           |
| 51         | Automated Identification System (AIS)<br>Submarine Surveillance Equipment |               | 896                                      | 164                                      |                                         | 164                                       | U           |
| 52         | Submarine Support Equipment Prog<br>Other Ship Electronic Equipment       | A             | 44,464                                   | 36,938                                   |                                         | 36,938                                    | U           |
| 53         | Cooperative Engagement Capability                                         | B             | 29,592                                   | 33,939                                   |                                         | 33,939                                    | U           |
| 54         | Trusted Information System (TIS)                                          |               | 396                                      | 324                                      |                                         | 324                                       | U           |
| 55         | Naval Tactical Command Support System (NTCSS)                             | A             | 14,302                                   | 18,192                                   |                                         | 18,192                                    | U           |
| 56         | ATDLS                                                                     | A             | 3,836                                    | 16,768                                   |                                         | 16,768                                    | U           |
| 57         | Navy Command and Control System (NCCS)                                    |               | 7,201                                    | 5,219                                    |                                         | 5,219                                     | U           |
| 58         | Minesweeping System Replacement                                           | A             | 54,900                                   | 40,482                                   |                                         | 40,482                                    | U           |
| 59         | Shallow Water MCM                                                         | B             | 12,748                                   |                                          |                                         |                                           | U           |
| 60         | Navstar GPS Receivers (SPACE)                                             | A             | 11,765                                   | 15,232                                   |                                         | 15,232                                    | U           |
| 61         | American Forces Radio and TV Service                                      | A             | 6,483                                    | 4,524                                    |                                         | 4,524                                     | U           |
| 62         | Strategic Platform Support Equip                                          | A             | 7,631                                    | 6,382                                    |                                         | 6,382                                     | U           |

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Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No | Item Nomenclature                                                         | Ident<br>Code | FY 2016<br>Base<br>Quantity | Cost    | FY 2016<br>OCO<br>Quantity | Cost  | FY 2016<br>Total<br>Quantity | Cost  | S<br>e<br>c |
|------------|---------------------------------------------------------------------------|---------------|-----------------------------|---------|----------------------------|-------|------------------------------|-------|-------------|
| ----       | -----                                                                     | -----         | -----                       | -----   | -----                      | ----- | -----                        | ----- | -           |
| 47         | SURTASS                                                                   | A             |                             | 12,953  |                            |       | 12,953                       |       | U           |
| 48         | Maritime Patrol and Reconnaissance Force<br>Electronic Warfare Equipment  | A             |                             | 13,725  |                            |       | 13,725                       |       | U           |
| 49         | AN/SLQ-32<br>Reconnaissance Equipment                                     | A             |                             | 324,726 |                            |       | 324,726                      |       | U           |
| 50         | Shipboard IW Exploit                                                      | A             |                             | 148,221 |                            |       | 148,221                      |       | U           |
| 51         | Automated Identification System (AIS)<br>Submarine Surveillance Equipment |               |                             | 152     |                            |       | 152                          |       | U           |
| 52         | Submarine Support Equipment Prog<br>Other Ship Electronic Equipment       | A             |                             | 79,954  |                            |       | 79,954                       |       | U           |
| 53         | Cooperative Engagement Capability                                         | B             |                             | 25,695  |                            |       | 25,695                       |       | U           |
| 54         | Trusted Information System (TIS)                                          |               |                             | 284     |                            |       | 284                          |       | U           |
| 55         | Naval Tactical Command Support System (NTCSS)                             | A             |                             | 14,416  |                            |       | 14,416                       |       | U           |
| 56         | ATDLS                                                                     | A             |                             | 23,069  |                            |       | 23,069                       |       | U           |
| 57         | Navy Command and Control System (NCCS)                                    |               |                             | 4,054   |                            |       | 4,054                        |       | U           |
| 58         | Minesweeping System Replacement                                           | A             |                             | 21,014  |                            |       | 21,014                       |       | U           |
| 59         | Shallow Water MCM                                                         | B             |                             | 18,077  |                            |       | 18,077                       |       | U           |
| 60         | Navstar GPS Receivers (SPACE)                                             | A             |                             | 12,359  |                            |       | 12,359                       |       | U           |
| 61         | American Forces Radio and TV Service                                      | A             |                             | 4,240   |                            |       | 4,240                        |       | U           |
| 62         | Strategic Platform Support Equip                                          | A             |                             | 17,440  |                            |       | 17,440                       |       | U           |

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Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No | Item Nomenclature                    | Ident<br>Code | FY 2014<br>(Base & OCO)<br>Quantity Cost | FY 2015<br>Base Enacted<br>Quantity Cost | FY 2015<br>OCO Enacted<br>Quantity Cost | FY 2015<br>Total Enacted<br>Quantity Cost | S<br>e<br>c |
|------------|--------------------------------------|---------------|------------------------------------------|------------------------------------------|-----------------------------------------|-------------------------------------------|-------------|
| -----      | -----                                | -----         | -----                                    | -----                                    | -----                                   | -----                                     | -           |
|            | Training Equipment                   |               |                                          |                                          |                                         |                                           |             |
| 63         | Other Training Equipment             | A             | 40,644                                   | 42,810                                   |                                         | 42,810                                    | U           |
|            | Aviation Electronic Equipment        |               |                                          |                                          |                                         |                                           |             |
| 64         | Matcals                              | A             | 8,953                                    | 16,999                                   |                                         | 16,999                                    | U           |
| 65         | Shipboard Air Traffic Control        | B             | 8,675                                    | 9,366                                    |                                         | 9,366                                     | U           |
| 66         | Automatic Carrier Landing System     | A             | 20,758                                   | 21,357                                   |                                         | 21,357                                    | U           |
| 67         | National Air Space System            | B             | 16,870                                   | 26,639                                   |                                         | 26,639                                    | U           |
| 68         | Fleet Air Traffic Control Systems    | A             | 8,909                                    | 9,214                                    |                                         | 9,214                                     | U           |
| 69         | Landing Systems                      | A             | 13,486                                   | 13,902                                   |                                         | 13,902                                    | U           |
| 70         | ID Systems                           | A             | 34,818                                   | 28,543                                   |                                         | 28,543                                    | U           |
| 71         | Naval Mission Planning Systems       | A             | 14,131                                   | 13,950                                   |                                         | 13,950                                    | U           |
|            | Other Shore Electronic Equipment     |               |                                          |                                          |                                         |                                           |             |
| 72         | Deployable Joint Command & Control   | A             | 3,249                                    | 1,205                                    |                                         | 1,205                                     | U           |
| 73         | Maritime Integrated Broadcast System |               | 11,646                                   | 3,447                                    |                                         | 3,447                                     | U           |
| 74         | Tactical/Mobile C4I Systems          | A             | 22,817                                   | 16,766                                   |                                         | 16,766                                    | U           |
| 75         | DCGS-N                               | A             | 17,350                                   | 23,649                                   |                                         | 23,649                                    | U           |
| 76         | CANES                                |               | 325,340                                  | 335,989                                  |                                         | 335,989                                   | U           |
| 77         | RADIAC                               | A             | 9,835                                    | 5,153                                    |                                         | 5,153                                     | U           |
| 78         | CANES-Intell                         |               | 55,262                                   | 61,215                                   |                                         | 61,215                                    | U           |
| 79         | GPETE                                | A             | 6,253                                    | 6,284                                    |                                         | 6,284                                     | U           |
| 80         | MASF                                 |               |                                          |                                          |                                         |                                           | U           |

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Department of the Navy  
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Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No | Item Nomenclature                    | Ident<br>Code | FY 2016<br>Base<br>Quantity | Cost    | FY 2016<br>OCO<br>Quantity | Cost  | FY 2016<br>Total<br>Quantity | Cost  | S<br>e<br>c |
|------------|--------------------------------------|---------------|-----------------------------|---------|----------------------------|-------|------------------------------|-------|-------------|
| -----      | -----                                | -----         | -----                       | -----   | -----                      | ----- | -----                        | ----- | -           |
|            | Training Equipment                   |               |                             |         |                            |       |                              |       |             |
| 63         | Other Training Equipment             | A             |                             | 41,314  |                            |       | 41,314                       |       | U           |
|            | Aviation Electronic Equipment        |               |                             |         |                            |       |                              |       |             |
| 64         | Matcals                              | A             |                             | 10,011  |                            |       | 10,011                       |       | U           |
| 65         | Shipboard Air Traffic Control        | B             |                             | 9,346   |                            |       | 9,346                        |       | U           |
| 66         | Automatic Carrier Landing System     | A             |                             | 21,281  |                            |       | 21,281                       |       | U           |
| 67         | National Air Space System            | B             |                             | 25,621  |                            |       | 25,621                       |       | U           |
| 68         | Fleet Air Traffic Control Systems    | A             |                             | 8,249   |                            |       | 8,249                        |       | U           |
| 69         | Landing Systems                      | A             |                             | 14,715  |                            |       | 14,715                       |       | U           |
| 70         | ID Systems                           | A             |                             | 29,676  |                            |       | 29,676                       |       | U           |
| 71         | Naval Mission Planning Systems       | A             |                             | 13,737  |                            |       | 13,737                       |       | U           |
|            | Other Shore Electronic Equipment     |               |                             |         |                            |       |                              |       |             |
| 72         | Deployable Joint Command & Control   | A             |                             | 1,314   |                            |       | 1,314                        |       | U           |
| 73         | Maritime Integrated Broadcast System |               |                             |         |                            |       |                              |       | U           |
| 74         | Tactical/Mobile C4I Systems          | A             |                             | 13,600  |                            |       | 13,600                       |       | U           |
| 75         | DCGS-N                               | A             |                             | 31,809  |                            |       | 31,809                       |       | U           |
| 76         | CANES                                |               |                             | 278,991 |                            |       | 278,991                      |       | U           |
| 77         | RADIAC                               | A             |                             | 8,294   |                            |       | 8,294                        |       | U           |
| 78         | CANES-Intell                         |               |                             | 28,695  |                            |       | 28,695                       |       | U           |
| 79         | GPETE                                | A             |                             | 6,962   |                            |       | 6,962                        |       | U           |
| 80         | MASF                                 |               |                             | 290     |                            |       | 290                          |       | U           |

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Department of the Navy  
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Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No | Item Nomenclature                    | Ident<br>Code | FY 2014<br>(Base & OCO)<br>Quantity Cost | FY 2015<br>Base Enacted<br>Quantity Cost | FY 2015<br>OCO Enacted<br>Quantity Cost | FY 2015<br>Total Enacted<br>Quantity Cost | S<br>e<br>c |
|------------|--------------------------------------|---------------|------------------------------------------|------------------------------------------|-----------------------------------------|-------------------------------------------|-------------|
| ----       | -----                                | -----         | -----                                    | -----                                    | -----                                   | -----                                     | -           |
| 81         | Integ Combat System Test Facility    | A             | 8,143                                    | 4,016                                    |                                         | 4,016                                     | U           |
| 82         | EMI Control Instrumentation          | A             | 4,664                                    | 4,113                                    |                                         | 4,113                                     | U           |
| 83         | Items Less Than \$5 Million          | A             | 64,642                                   | 58,365                                   | 5,870                                   | 64,235                                    | U           |
|            | Shipboard Communications             |               |                                          |                                          |                                         |                                           |             |
| 84         | Shipboard Tactical Communications    | A             |                                          | 14,410                                   |                                         | 14,410                                    | U           |
| 85         | Ship Communications Automation       | A             | 23,877                                   | 20,830                                   |                                         | 20,830                                    | U           |
| 86         | Communications Items Under \$5M      | A             | 28,941                                   | 14,145                                   |                                         | 14,145                                    | U           |
|            | Submarine Communications             |               |                                          |                                          |                                         |                                           |             |
| 87         | Submarine Broadcast Support          | A             | 7,856                                    | 11,057                                   |                                         | 11,057                                    | U           |
| 88         | Submarine Communication Equipment    | A             | 64,376                                   | 64,954                                   |                                         | 64,954                                    | U           |
|            | Satellite Communications             |               |                                          |                                          |                                         |                                           |             |
| 89         | Satellite Communications Systems     | A             | 27,381                                   | 11,453                                   |                                         | 11,453                                    | U           |
| 90         | Navy Multiband Terminal (NMT)        |               | 183,620                                  | 247,617                                  |                                         | 247,617                                   | U           |
|            | Shore Communications                 |               |                                          |                                          |                                         |                                           |             |
| 91         | JCS Communications Equipment         | A             | 4,463                                    | 4,369                                    |                                         | 4,369                                     | U           |
| 92         | Electrical Power Systems             | A             | 778                                      | 1,402                                    |                                         | 1,402                                     | U           |
|            | Cryptographic Equipment              |               |                                          |                                          |                                         |                                           |             |
| 93         | Info Systems Security Program (ISSP) | A             | 125,902                                  | 108,002                                  |                                         | 108,002                                   | U           |
| 94         | MIO Intel Exploitation Team          | A             | 1,000                                    | 979                                      |                                         | 979                                       | U           |
|            | Cryptologic Equipment                |               |                                          |                                          |                                         |                                           |             |
| 95         | Cryptologic Communications Equip     | A             | 12,251                                   | 11,502                                   |                                         | 11,502                                    | U           |

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Total Obligational Authority  
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09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No | Item Nomenclature                    | Ident<br>Code | FY 2016<br>Base<br>Quantity | Cost    | FY 2016<br>OCO<br>Quantity | Cost  | FY 2016<br>Total<br>Quantity | Cost  | S<br>e<br>c |
|------------|--------------------------------------|---------------|-----------------------------|---------|----------------------------|-------|------------------------------|-------|-------------|
| ----       | -----                                | -----         | -----                       | -----   | -----                      | ----- | -----                        | ----- | -           |
| 81         | Integ Combat System Test Facility    | A             |                             | 14,419  |                            |       | 14,419                       |       | U           |
| 82         | EMI Control Instrumentation          | A             |                             | 4,175   |                            |       | 4,175                        |       | U           |
| 83         | Items Less Than \$5 Million          | A             |                             | 44,176  |                            |       | 44,176                       |       | U           |
|            | Shipboard Communications             |               |                             |         |                            |       |                              |       |             |
| 84         | Shipboard Tactical Communications    | A             |                             | 8,722   |                            |       | 8,722                        |       | U           |
| 85         | Ship Communications Automation       | A             |                             | 108,477 |                            |       | 108,477                      |       | U           |
| 86         | Communications Items Under \$5M      | A             |                             | 16,613  |                            |       | 16,613                       |       | U           |
|            | Submarine Communications             |               |                             |         |                            |       |                              |       |             |
| 87         | Submarine Broadcast Support          | A             |                             | 20,691  |                            |       | 20,691                       |       | U           |
| 88         | Submarine Communication Equipment    | A             |                             | 60,945  |                            |       | 60,945                       |       | U           |
|            | Satellite Communications             |               |                             |         |                            |       |                              |       |             |
| 89         | Satellite Communications Systems     | A             |                             | 30,892  |                            |       | 30,892                       |       | U           |
| 90         | Navy Multiband Terminal (NMT)        |               |                             | 118,113 |                            |       | 118,113                      |       | U           |
|            | Shore Communications                 |               |                             |         |                            |       |                              |       |             |
| 91         | JCS Communications Equipment         | A             |                             | 4,591   |                            |       | 4,591                        |       | U           |
| 92         | Electrical Power Systems             | A             |                             | 1,403   |                            |       | 1,403                        |       | U           |
|            | Cryptographic Equipment              |               |                             |         |                            |       |                              |       |             |
| 93         | Info Systems Security Program (ISSP) | A             |                             | 135,687 |                            |       | 135,687                      |       | U           |
| 94         | MIO Intel Exploitation Team          | A             |                             | 970     |                            |       | 970                          |       | U           |
|            | Cryptologic Equipment                |               |                             |         |                            |       |                              |       |             |
| 95         | Cryptologic Communications Equip     | A             |                             | 11,433  |                            |       | 11,433                       |       | U           |

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Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No | Item Nomenclature                              | Ident<br>Code | FY 2014<br>(Base & OCO)<br>Quantity Cost | FY 2015<br>Base Enacted<br>Quantity Cost | FY 2015<br>OCO Enacted<br>Quantity Cost | FY 2015<br>Total Enacted<br>Quantity Cost | S<br>e<br>c |
|------------|------------------------------------------------|---------------|------------------------------------------|------------------------------------------|-----------------------------------------|-------------------------------------------|-------------|
| -----      | -----                                          | -----         | -----                                    | -----                                    | -----                                   | -----                                     | -           |
|            | Other Electronic Support                       |               |                                          |                                          |                                         |                                           |             |
| 96         | Coast Guard Equipment                          | A             | 2,893                                    | 2,967                                    |                                         | 2,967                                     | U           |
|            |                                                |               | -----                                    | -----                                    | -----                                   | -----                                     |             |
|            | Total Communications & Electronics Equip       |               | 2,092,833                                | 2,224,244                                | 5,870                                   | 2,230,114                                 |             |
|            | Budget Activity 03: Aviation Support Equipment |               |                                          |                                          |                                         |                                           |             |
|            | -----                                          |               |                                          |                                          |                                         |                                           |             |
|            | Sonobuoys                                      |               |                                          |                                          |                                         |                                           |             |
| 97         | Sonobuoys - All Types                          | A             | 177,305                                  | 182,946                                  |                                         | 182,946                                   | U           |
|            | Aircraft Support Equipment                     |               |                                          |                                          |                                         |                                           |             |
| 98         | Weapons Range Support Equipment                | A             | 50,624                                   | 47,944                                   |                                         | 47,944                                    | U           |
| 99         | Expeditionary Airfields                        | A             | 4,676                                    |                                          |                                         |                                           | U           |
| 100        | Aircraft Support Equipment                     | A             |                                          | 55,195                                   |                                         | 55,195                                    | U           |
| 101        | Aircraft Rearming Equipment                    | A             | 11,263                                   |                                          |                                         |                                           | U           |
| 102        | Aircraft Launch & Recovery Equipment           | A             | 58,110                                   |                                          |                                         |                                           | U           |
| 103        | Meteorological Equipment                       | A             | 19,118                                   | 12,825                                   |                                         | 12,825                                    | U           |
| 104        | DCRS/DPL                                       | A             | 1,425                                    | 1,415                                    |                                         | 1,415                                     | U           |
| 105        | Aviation Life Support                          | A             | 29,588                                   |                                          |                                         |                                           | U           |
| 106        | Airborne Mine Countermeasures                  | A             | 77,114                                   | 23,152                                   |                                         | 23,152                                    | U           |
| 107        | Lamps MK III Shipboard Equipment               | A             | 18,290                                   |                                          |                                         |                                           | U           |
| 108        | Portable Electronic Maintenance Aids           |               | 7,969                                    |                                          |                                         |                                           | U           |
| 109        | Other Aviation Support Equipment               | A             | 2,412                                    |                                          |                                         |                                           | U           |
| 110        | Autonomic Logistics Information System (ALIS)  |               | 3,389                                    |                                          |                                         |                                           | U           |

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Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No | Item Nomenclature                              | Ident<br>Code | FY 2016<br>Base<br>Quantity | Cost      | FY 2016<br>OCO<br>Quantity | Cost  | FY 2016<br>Total<br>Quantity | Cost  | S<br>e<br>c |
|------------|------------------------------------------------|---------------|-----------------------------|-----------|----------------------------|-------|------------------------------|-------|-------------|
| -----      | -----                                          | -----         | -----                       | -----     | -----                      | ----- | -----                        | ----- | -           |
|            | Other Electronic Support                       |               |                             |           |                            |       |                              |       |             |
| 96         | Coast Guard Equipment                          | A             |                             | 2,529     |                            |       | 2,529                        |       | U           |
|            |                                                |               |                             | -----     |                            | ----- | -----                        |       |             |
|            | Total Communications & Electronics Equip       |               |                             | 2,382,342 |                            |       | 2,382,342                    |       |             |
|            | Budget Activity 03: Aviation Support Equipment |               |                             |           |                            |       |                              |       |             |
|            | -----                                          |               |                             |           |                            |       |                              |       |             |
|            | Sonobuoys                                      |               |                             |           |                            |       |                              |       |             |
| 97         | Sonobuoys - All Types                          | A             |                             | 168,763   |                            |       | 168,763                      |       | U           |
|            | Aircraft Support Equipment                     |               |                             |           |                            |       |                              |       |             |
| 98         | Weapons Range Support Equipment                | A             |                             | 46,979    |                            |       | 46,979                       |       | U           |
| 99         | Expeditionary Airfields                        | A             |                             |           |                            |       |                              |       | U           |
| 100        | Aircraft Support Equipment                     | A             |                             | 123,884   |                            |       | 123,884                      |       | U           |
| 101        | Aircraft Rearming Equipment                    | A             |                             |           |                            |       |                              |       | U           |
| 102        | Aircraft Launch & Recovery Equipment           | A             |                             |           |                            |       |                              |       | U           |
| 103        | Meteorological Equipment                       | A             |                             | 15,090    |                            |       | 15,090                       |       | U           |
| 104        | DCRS/DPL                                       | A             |                             | 638       |                            |       | 638                          |       | U           |
| 105        | Aviation Life Support                          | A             |                             |           |                            |       |                              |       | U           |
| 106        | Airborne Mine Countermeasures                  | A             |                             | 14,098    |                            |       | 14,098                       |       | U           |
| 107        | Lamps MK III Shipboard Equipment               | A             |                             |           |                            |       |                              |       | U           |
| 108        | Portable Electronic Maintenance Aids           |               |                             |           |                            |       |                              |       | U           |
| 109        | Other Aviation Support Equipment               | A             |                             |           |                            |       |                              |       | U           |
| 110        | Autonomic Logistics Information System (ALIS)  |               |                             |           |                            |       |                              |       | U           |

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Department of the Navy  
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Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No                                     | Item Nomenclature                        | Ident<br>Code | FY 2014<br>(Base & OCO)<br>Quantity Cost | FY 2015<br>Base Enacted<br>Quantity Cost | FY 2015<br>OCO Enacted<br>Quantity Cost | FY 2015<br>Total Enacted<br>Quantity Cost | S<br>e<br>c |
|------------------------------------------------|------------------------------------------|---------------|------------------------------------------|------------------------------------------|-----------------------------------------|-------------------------------------------|-------------|
| -----                                          | -----                                    | -----         | -----                                    | -----                                    | -----                                   | -----                                     | -           |
| 111                                            | Aviation Support Equipment               | A             |                                          | 45,705                                   |                                         | 45,705                                    | U           |
|                                                | Total Aviation Support Equipment         |               | 461,283                                  | 369,182                                  |                                         | 369,182                                   |             |
| Budget Activity 04: Ordnance Support Equipment |                                          |               |                                          |                                          |                                         |                                           |             |
| -----                                          |                                          |               |                                          |                                          |                                         |                                           |             |
| Ship Gun System Equipment                      |                                          |               |                                          |                                          |                                         |                                           |             |
| 112                                            | Ship Gun Systems Equipment               | A             |                                          | 5,572                                    |                                         | 5,572                                     | U           |
| 113                                            | Naval Fires Control System               | A             | 1,188                                    |                                          |                                         |                                           | U           |
| 114                                            | Gun Fire Control Equipment               | A             | 4,447                                    |                                          |                                         |                                           | U           |
| Ship Missile Systems Equipment                 |                                          |               |                                          |                                          |                                         |                                           |             |
| 115                                            | Ship Missile Support Equipment           | A             |                                          | 143,570                                  |                                         | 143,570                                   | U           |
| 116                                            | NATO Seasparrow                          | A             | 58,368                                   |                                          |                                         |                                           | U           |
| 117                                            | RAM GMLS                                 | A             | 491                                      |                                          |                                         |                                           | U           |
| 118                                            | Ship Self Defense System                 | B             | 51,858                                   |                                          |                                         |                                           | U           |
| 119                                            | AEGIS Support Equipment                  | A             | 59,757                                   |                                          |                                         |                                           | U           |
| 120                                            | Tomahawk Support Equipment               | A             | 63,371                                   | 60,062                                   |                                         | 60,062                                    | U           |
| 121                                            | Vertical Launch Systems                  | A             | 626                                      |                                          |                                         |                                           | U           |
| 122                                            | Maritime Integrated Planning System-MIPS | A             | 2,779                                    |                                          |                                         |                                           | U           |
| FBM Support Equipment                          |                                          |               |                                          |                                          |                                         |                                           |             |
| 123                                            | Strategic Missile Systems Equip          | A             | 224,484                                  | 201,832                                  |                                         | 201,832                                   | U           |
| ASW Support Equipment                          |                                          |               |                                          |                                          |                                         |                                           |             |
| 124                                            | SSN Combat Control Systems               | A             | 73,078                                   | 60,767                                   |                                         | 60,767                                    | U           |
| 125                                            | ASW Support Equipment                    | A             |                                          | 7,559                                    |                                         | 7,559                                     | U           |

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Department of the Navy  
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Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No                                     | Item Nomenclature                        | Ident<br>Code | FY 2016<br>Base<br>Quantity | Cost    | FY 2016<br>OCO<br>Quantity | Cost  | FY 2016<br>Total<br>Quantity | Cost  | S<br>e<br>c |
|------------------------------------------------|------------------------------------------|---------------|-----------------------------|---------|----------------------------|-------|------------------------------|-------|-------------|
| -----                                          | -----                                    | -----         | -----                       | -----   | -----                      | ----- | -----                        | ----- | -----       |
| 111                                            | Aviation Support Equipment               | A             |                             | 49,773  |                            |       | 49,773                       |       | U           |
|                                                | Total Aviation Support Equipment         |               |                             | 419,225 |                            |       | 419,225                      |       |             |
| Budget Activity 04: Ordnance Support Equipment |                                          |               |                             |         |                            |       |                              |       |             |
| -----                                          |                                          |               |                             |         |                            |       |                              |       |             |
| Ship Gun System Equipment                      |                                          |               |                             |         |                            |       |                              |       |             |
| 112                                            | Ship Gun Systems Equipment               | A             |                             | 5,300   |                            |       | 5,300                        |       | U           |
| 113                                            | Naval Fires Control System               | A             |                             |         |                            |       |                              |       | U           |
| 114                                            | Gun Fire Control Equipment               | A             |                             |         |                            |       |                              |       | U           |
| Ship Missile Systems Equipment                 |                                          |               |                             |         |                            |       |                              |       |             |
| 115                                            | Ship Missile Support Equipment           | A             |                             | 298,738 |                            |       | 298,738                      |       | U           |
| 116                                            | NATO Seasparrow                          | A             |                             |         |                            |       |                              |       | U           |
| 117                                            | RAM GMLS                                 | A             |                             |         |                            |       |                              |       | U           |
| 118                                            | Ship Self Defense System                 | B             |                             |         |                            |       |                              |       | U           |
| 119                                            | AEGIS Support Equipment                  | A             |                             |         |                            |       |                              |       | U           |
| 120                                            | Tomahawk Support Equipment               | A             |                             | 71,245  |                            |       | 71,245                       |       | U           |
| 121                                            | Vertical Launch Systems                  | A             |                             |         |                            |       |                              |       | U           |
| 122                                            | Maritime Integrated Planning System-MIPS | A             |                             |         |                            |       |                              |       | U           |
| FBM Support Equipment                          |                                          |               |                             |         |                            |       |                              |       |             |
| 123                                            | Strategic Missile Systems Equip          | A             |                             | 240,694 |                            |       | 240,694                      |       | U           |
| ASW Support Equipment                          |                                          |               |                             |         |                            |       |                              |       |             |
| 124                                            | SSN Combat Control Systems               | A             |                             | 96,040  |                            |       | 96,040                       |       | U           |
| 125                                            | ASW Support Equipment                    | A             |                             | 30,189  |                            |       | 30,189                       |       | U           |

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Department of the Navy  
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Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No | Item Nomenclature                 | Ident<br>Code | FY 2014<br>(Base & OCO)<br>Quantity Cost | FY 2015<br>Base Enacted<br>Quantity Cost | FY 2015<br>OCO Enacted<br>Quantity Cost | FY 2015<br>Total Enacted<br>Quantity Cost | S<br>e<br>c |
|------------|-----------------------------------|---------------|------------------------------------------|------------------------------------------|-----------------------------------------|-------------------------------------------|-------------|
| -----      | -----                             | -----         | -----                                    | -----                                    | -----                                   | -----                                     | -           |
| 126        | Submarine ASW Support Equipment   | A             | 3,913                                    |                                          |                                         |                                           | U           |
| 127        | Surface ASW Support Equipment     | A             | 3,909                                    |                                          |                                         |                                           | U           |
| 128        | ASW Range Support Equipment       | A             | 28,694                                   |                                          |                                         |                                           | U           |
|            | Other Ordnance Support Equipment  |               |                                          |                                          |                                         |                                           |             |
| 129        | Explosive Ordnance Disposal Equip | B             | 148,516                                  | 20,619                                   | 103,930                                 | 124,549                                   | U           |
| 130        | Items Less Than \$5 Million       | A             | 14,180                                   | 10,759                                   |                                         | 10,759                                    | U           |
|            | Other Expendable Ordnance         |               |                                          |                                          |                                         |                                           |             |
| 131        | Anti-Ship Missile Decoy System    | A             | 62,361                                   |                                          |                                         |                                           | U           |
| 132        | Surface Training Device Mods      | A             | 43,213                                   |                                          |                                         |                                           | U           |
| 133        | Submarine Training Device Mods    | A             | 26,672                                   |                                          |                                         |                                           | U           |
| 134        | Training Device Mods              | A             |                                          | 70,672                                   |                                         | 70,672                                    | U           |
|            |                                   |               | -----                                    | -----                                    | -----                                   | -----                                     |             |
|            | Total Ordnance Support Equipment  |               | 871,905                                  | 581,412                                  | 103,930                                 | 685,342                                   |             |

Budget Activity 05: Civil Engineering Support Equip  
-----

|     |                                     |   |        |        |  |        |   |
|-----|-------------------------------------|---|--------|--------|--|--------|---|
|     | Civil Engineering Support Equipment |   |        |        |  |        |   |
| 135 | Passenger Carrying Vehicles         | A | 4,480  | 2,282  |  | 2,282  | U |
| 136 | General Purpose Trucks              | A | 3,817  | 547    |  | 547    | U |
| 137 | Construction & Maintenance Equip    | A | 12,651 | 6,187  |  | 6,187  | U |
| 138 | Fire Fighting Equipment             | A | 14,748 | 14,621 |  | 14,621 | U |
| 139 | Tactical Vehicles                   | B | 7,039  | 957    |  | 957    | U |
| 140 | Amphibious Equipment                | A | 5,741  | 8,187  |  | 8,187  | U |
| 141 | Pollution Control Equipment         | A | 3,852  | 2,942  |  | 2,942  | U |

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Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No                                          | Item Nomenclature                   | Ident<br>Code | FY 2016<br>Base<br>Quantity | Cost    | FY 2016<br>OCO<br>Quantity | Cost  | FY 2016<br>Total<br>Quantity | Cost  | S<br>e<br>c |
|-----------------------------------------------------|-------------------------------------|---------------|-----------------------------|---------|----------------------------|-------|------------------------------|-------|-------------|
| -----                                               | -----                               | -----         | -----                       | -----   | -----                      | ----- | -----                        | ----- | -           |
| 126                                                 | Submarine ASW Support Equipment     | A             |                             |         |                            |       |                              |       | U           |
| 127                                                 | Surface ASW Support Equipment       | A             |                             |         |                            |       |                              |       | U           |
| 128                                                 | ASW Range Support Equipment         | A             |                             |         |                            |       |                              |       | U           |
|                                                     | Other Ordnance Support Equipment    |               |                             |         |                            |       |                              |       |             |
| 129                                                 | Explosive Ordnance Disposal Equip   | B             |                             | 22,623  |                            |       | 22,623                       |       | U           |
| 130                                                 | Items Less Than \$5 Million         | A             |                             | 9,906   |                            |       | 9,906                        |       | U           |
|                                                     | Other Expendable Ordnance           |               |                             |         |                            |       |                              |       |             |
| 131                                                 | Anti-Ship Missile Decoy System      | A             |                             |         |                            |       |                              |       | U           |
| 132                                                 | Surface Training Device Mods        | A             |                             |         |                            |       |                              |       | U           |
| 133                                                 | Submarine Training Device Mods      | A             |                             |         |                            |       |                              |       | U           |
| 134                                                 | Training Device Mods                | A             |                             | 99,707  |                            |       | 99,707                       |       | U           |
|                                                     |                                     |               |                             | -----   |                            | ----- | -----                        |       |             |
|                                                     | Total Ordnance Support Equipment    |               |                             | 874,442 |                            |       | 874,442                      |       |             |
| Budget Activity 05: Civil Engineering Support Equip |                                     |               |                             |         |                            |       |                              |       |             |
| -----                                               |                                     |               |                             |         |                            |       |                              |       |             |
|                                                     | Civil Engineering Support Equipment |               |                             |         |                            |       |                              |       |             |
| 135                                                 | Passenger Carrying Vehicles         | A             |                             | 2,252   |                            | 186   | 2,438                        |       | U           |
| 136                                                 | General Purpose Trucks              | A             |                             | 2,191   |                            |       | 2,191                        |       | U           |
| 137                                                 | Construction & Maintenance Equip    | A             |                             | 2,164   |                            |       | 2,164                        |       | U           |
| 138                                                 | Fire Fighting Equipment             | A             |                             | 14,705  |                            |       | 14,705                       |       | U           |
| 139                                                 | Tactical Vehicles                   | B             |                             | 2,497   |                            |       | 2,497                        |       | U           |
| 140                                                 | Amphibious Equipment                | A             |                             | 12,517  |                            |       | 12,517                       |       | U           |
| 141                                                 | Pollution Control Equipment         | A             |                             | 3,018   |                            |       | 3,018                        |       | U           |

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Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No                                            | Item Nomenclature                     | Ident<br>Code | FY 2014<br>(Base & OCO)<br>Quantity Cost | FY 2015<br>Base Enacted<br>Quantity Cost | FY 2015<br>OCO Enacted<br>Quantity Cost | FY 2015<br>Total Enacted<br>Quantity Cost | S<br>e<br>c |
|-------------------------------------------------------|---------------------------------------|---------------|------------------------------------------|------------------------------------------|-----------------------------------------|-------------------------------------------|-------------|
| -----                                                 | -----                                 | -----         | -----                                    | -----                                    | -----                                   | -----                                     | -           |
| 142                                                   | Items Under \$5 Million               | A             | 25,607                                   | 16,142                                   | 3,300                                   | 19,442                                    | U           |
| 143                                                   | Physical Security Vehicles            | A             | 1,182                                    | 1,177                                    |                                         | 1,177                                     | U           |
|                                                       |                                       |               | -----                                    | -----                                    | -----                                   | -----                                     |             |
|                                                       | Total Civil Engineering Support Equip |               | 79,117                                   | 53,042                                   | 3,300                                   | 56,342                                    |             |
| Budget Activity 06: Supply Support Equipment          |                                       |               |                                          |                                          |                                         |                                           |             |
| -----                                                 |                                       |               |                                          |                                          |                                         |                                           |             |
|                                                       | Supply Support Equipment              |               |                                          |                                          |                                         |                                           |             |
| 144                                                   | Materials Handling Equipment          | A             | 6,340                                    | 10,937                                   |                                         | 10,937                                    | U           |
| 145                                                   | Other Supply Support Equipment        | A             | 7,681                                    | 6,674                                    |                                         | 6,674                                     | U           |
| 146                                                   | First Destination Transportation      | A             | 6,266                                    | 5,668                                    |                                         | 5,668                                     | U           |
| 147                                                   | Special Purpose Supply Systems        | A             | 34,718                                   | 64,921                                   |                                         | 64,921                                    | U           |
|                                                       |                                       |               | -----                                    | -----                                    | -----                                   | -----                                     |             |
|                                                       | Total Supply Support Equipment        |               | 55,005                                   | 88,200                                   |                                         | 88,200                                    |             |
| Budget Activity 07: Personnel & Command Support Equip |                                       |               |                                          |                                          |                                         |                                           |             |
| -----                                                 |                                       |               |                                          |                                          |                                         |                                           |             |
|                                                       | Training Devices                      |               |                                          |                                          |                                         |                                           |             |
| 148                                                   | Training Support Equipment            | A             | 22,527                                   | 22,046                                   |                                         | 22,046                                    | U           |
|                                                       | Command Support Equipment             |               |                                          |                                          |                                         |                                           |             |
| 149                                                   | Command Support Equipment             | A             | 60,128                                   | 24,208                                   |                                         | 24,208                                    | U           |
| 150                                                   | Education Support Equipment           | A             |                                          | 874                                      |                                         | 874                                       | U           |
| 151                                                   | Medical Support Equipment             | A             | 4,925                                    | 2,634                                    |                                         | 2,634                                     | U           |
| 153                                                   | Naval MIP Support Equipment           | A             |                                          | 3,573                                    |                                         | 3,573                                     | U           |
| 154                                                   | Operating Forces Support Equipment    | A             | 11,019                                   |                                          |                                         |                                           | U           |
| 155                                                   | C4ISR Equipment                       | A             |                                          | 9,788                                    |                                         | 9,788                                     | U           |

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Department of the Navy  
FY 2016 President's Budget  
Exhibit P-1 FY 2016 President's Budget  
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(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

| Line<br>No                                            | Item Nomenclature                     | Ident<br>Code | FY 2016<br>Base<br>Quantity | Cost    | FY 2016<br>OCO<br>Quantity | Cost  | FY 2016<br>Total<br>Quantity | Cost  | S<br>e<br>c |
|-------------------------------------------------------|---------------------------------------|---------------|-----------------------------|---------|----------------------------|-------|------------------------------|-------|-------------|
| -----                                                 | -----                                 | -----         | -----                       | -----   | -----                      | ----- | -----                        | ----- | -----       |
| 142                                                   | Items Under \$5 Million               | A             |                             | 14,403  |                            |       | 14,403                       |       | U           |
| 143                                                   | Physical Security Vehicles            | A             |                             | 1,186   |                            |       | 1,186                        |       | U           |
|                                                       |                                       |               |                             | -----   |                            | ----- | -----                        |       |             |
|                                                       | Total Civil Engineering Support Equip |               |                             | 54,933  |                            | 186   | 55,119                       |       |             |
| Budget Activity 06: Supply Support Equipment          |                                       |               |                             |         |                            |       |                              |       |             |
| -----                                                 |                                       |               |                             |         |                            |       |                              |       |             |
|                                                       | Supply Support Equipment              |               |                             |         |                            |       |                              |       |             |
| 144                                                   | Materials Handling Equipment          | A             |                             | 18,805  |                            |       | 18,805                       |       | U           |
| 145                                                   | Other Supply Support Equipment        | A             |                             | 10,469  |                            |       | 10,469                       |       | U           |
| 146                                                   | First Destination Transportation      | A             |                             | 5,720   |                            |       | 5,720                        |       | U           |
| 147                                                   | Special Purpose Supply Systems        | A             |                             | 211,714 |                            |       | 211,714                      |       | U           |
|                                                       |                                       |               |                             | -----   |                            | ----- | -----                        |       |             |
|                                                       | Total Supply Support Equipment        |               |                             | 246,708 |                            |       | 246,708                      |       |             |
| Budget Activity 07: Personnel & Command Support Equip |                                       |               |                             |         |                            |       |                              |       |             |
| -----                                                 |                                       |               |                             |         |                            |       |                              |       |             |
|                                                       | Training Devices                      |               |                             |         |                            |       |                              |       |             |
| 148                                                   | Training Support Equipment            | A             |                             | 7,468   |                            |       | 7,468                        |       | U           |
|                                                       | Command Support Equipment             |               |                             |         |                            |       |                              |       |             |
| 149                                                   | Command Support Equipment             | A             |                             | 36,433  |                            |       | 36,433                       |       | U           |
| 150                                                   | Education Support Equipment           | A             |                             | 3,180   |                            |       | 3,180                        |       | U           |
| 151                                                   | Medical Support Equipment             | A             |                             | 4,790   |                            |       | 4,790                        |       | U           |
| 153                                                   | Naval MIP Support Equipment           | A             |                             | 4,608   |                            |       | 4,608                        |       | U           |
| 154                                                   | Operating Forces Support Equipment    | A             |                             | 5,655   |                            |       | 5,655                        |       | U           |
| 155                                                   | C4ISR Equipment                       | A             |                             | 9,929   |                            |       | 9,929                        |       | U           |

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Department of the Navy  
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|------------|---------------------------------------------|---------------|------------------------------------------|------------------------------------------|-----------------------------------------|-------------------------------------------|-------------|
| -----      | -----                                       | -----         | -----                                    | -----                                    | -----                                   | -----                                     | -           |
| 156        | Environmental Support Equipment             | A             | 18,276                                   | 21,001                                   |                                         | 21,001                                    | U           |
| 157        | Physical Security Equipment                 | A             | 116,577                                  | 90,957                                   |                                         | 90,957                                    | U           |
| 159        | Enterprise Information Technology           | A             | 186,427                                  | 87,214                                   |                                         | 87,214                                    | U           |
|            | Other                                       |               |                                          |                                          |                                         |                                           |             |
| 160        | Next Generation Enterprise Service          | A             |                                          | 106,165                                  |                                         | 106,165                                   | U           |
| 999        | Classified Programs                         |               | 12,140                                   | 10,847                                   | 2,400                                   | 13,247                                    | U           |
|            | Total Personnel & Command Support Equip     |               | 432,019                                  | 379,307                                  |                                         | 381,707                                   |             |
|            | Budget Activity 08: Spares and Repair Parts |               |                                          |                                          |                                         |                                           |             |
|            | Spares and Repair Parts                     |               |                                          |                                          |                                         |                                           |             |
| 161        | Spares and Repair Parts                     | A             | 245,716                                  | 325,084                                  |                                         | 325,084                                   | U           |
|            | Total Spares and Repair Parts               |               | 245,716                                  | 325,084                                  |                                         | 325,084                                   |             |
|            | Total Other Procurement, Navy               |               | 5,689,605                                | 5,846,558                                | 123,710                                 | 5,970,268                                 |             |

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Exhibit P-1 FY 2016 President's Budget  
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| Line<br>No | Item Nomenclature                           | Ident<br>Code | FY 2016<br>Base<br>Quantity | Cost      | FY 2016<br>OCO<br>Quantity | Cost   | FY 2016<br>Total<br>Quantity | Cost  | S<br>e<br>c |
|------------|---------------------------------------------|---------------|-----------------------------|-----------|----------------------------|--------|------------------------------|-------|-------------|
| -----      | -----                                       | -----         | -----                       | -----     | -----                      | -----  | -----                        | ----- | -           |
| 156        | Environmental Support Equipment             | A             |                             | 26,795    |                            |        | 26,795                       |       | U           |
| 157        | Physical Security Equipment                 | A             |                             | 88,453    |                            |        | 88,453                       |       | U           |
| 159        | Enterprise Information Technology           | A             |                             | 99,094    |                            |        | 99,094                       |       | U           |
|            | Other                                       |               |                             |           |                            |        |                              |       |             |
| 160        | Next Generation Enterprise Service          | A             |                             | 99,014    |                            |        | 99,014                       |       | U           |
| 999        | Classified Programs                         |               |                             | 21,439    |                            | 12,000 | 33,439                       |       | U           |
|            |                                             |               |                             | -----     |                            | -----  | -----                        |       |             |
|            | Total Personnel & Command Support Equip     |               |                             | 406,858   |                            |        | 418,858                      |       |             |
|            | Budget Activity 08: Spares and Repair Parts |               |                             |           |                            |        |                              |       |             |
|            | -----                                       |               |                             |           |                            |        |                              |       |             |
|            | Spares and Repair Parts                     |               |                             |           |                            |        |                              |       |             |
| 161        | Spares and Repair Parts                     | A             |                             | 328,043   |                            |        | 328,043                      |       | U           |
|            |                                             |               |                             | -----     |                            | -----  | -----                        |       |             |
|            | Total Spares and Repair Parts               |               |                             | 328,043   |                            |        | 328,043                      |       |             |
|            |                                             |               |                             | -----     |                            | -----  | -----                        |       |             |
|            | Total Other Procurement, Navy               |               |                             | 6,614,715 |                            | 12,186 | 6,626,901                    |       |             |



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| Medical Support Equipment                  | 8109             | 151    | 07 | 02..... | Volume 5 - 129 |
| Meteorological Equipment                   | 4226             | 103    | 03 | 03..... | Volume 3 - 93  |
| Minesweeping System Replacement            | 2622             | 58     | 02 | 07..... | Volume 2 - 383 |
| NATO Seasparrow                            | 5237             | 116    | 04 | 03..... | Volume 4 - 57  |
| NAVSTAR GPS Receivers (Space)              | 2657             | 60     | 02 | 07..... | Volume 2 - 407 |
| National Air Space System                  | 2840             | 67     | 02 | 09..... | Volume 2 - 503 |
| Naval Fires Control Sys                    | 5112             | 113    | 04 | 02..... | Volume 4 - 7   |
| Naval MIP Support Equipment                | 8114             | 153    | 07 | 02..... | Volume 5 - 137 |
| Naval Mission Planning Systems             | 2876             | 71     | 02 | 09..... | Volume 2 - 573 |
| Naval Tact Cmd Supt Sys (NTCSS)            | 2611             | 55     | 02 | 07..... | Volume 2 - 349 |
| Navy Command and Control System (NCCS)     | 2618             | 57     | 02 | 07..... | Volume 2 - 373 |
| Navy Multiband Terminal (NMT)              | 3216             | 90     | 02 | 13..... | Volume 2 - 857 |
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| Next Generation Enterprise Service         | 8164             | 160    | 07 | 05..... | Volume 5 - 195 |
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| Pollution Control Equipment          | 0935             | 12     | 01 | 09..... | Volume 1 - 265 |
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| Remote Minehunting System (RMS)      | 1605             | 36     | 01 | 15..... | Volume 1 - 643 |
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| Ship Missile Support Equipment    | 5231             | 115    | 04 | 03..... | Volume 4 - 15  |
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| Trusted Information System (TIS)   | 2608             | 54     | 02 | 07..... | Volume 2 - 345 |
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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Navy **Date:** February 2015

|                                                                                                                                                                           |                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 2:<br>Ship Gun System Equipment | <b>P-1 Line Item Number / Title:</b><br>5111 / Ship Gun Systems Equipment |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|

| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                            |              |          | Program Elements for Code B Items: |              |             |               |              | Other Related Program Elements: |              |              |              |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------|------------------------------------|--------------|-------------|---------------|--------------|---------------------------------|--------------|--------------|--------------|---------------|
| Resource Summary                                                                                                                              | Prior Years  | FY 2014  | FY 2015                            | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017      | FY 2018                         | FY 2019      | FY 2020      | To Complete  | Total         |
| Procurement Quantity (Units in Each)                                                                                                          | -            | -        | -                                  | -            | -           | -             | -            | -                               | -            | -            | -            | -             |
| Gross/Weapon System Cost (\$ in Millions)                                                                                                     | 0.000        | -        | 5.572                              | 5.300        | -           | 5.300         | 5.214        | 5.289                           | 5.404        | 5.517        | 5.059        | 37.355        |
| Less PY Advance Procurement (\$ in Millions)                                                                                                  | -            | -        | -                                  | -            | -           | -             | -            | -                               | -            | -            | -            | -             |
| Net Procurement (P1) (\$ in Millions)                                                                                                         | 0.000        | -        | 5.572                              | 5.300        | -           | 5.300         | 5.214        | 5.289                           | 5.404        | 5.517        | 5.059        | 37.355        |
| Plus CY Advance Procurement (\$ in Millions)                                                                                                  | -            | -        | -                                  | -            | -           | -             | -            | -                               | -            | -            | -            | -             |
| <b>Total Obligation Authority (\$ in Millions)</b>                                                                                            | <b>0.000</b> | <b>-</b> | <b>5.572</b>                       | <b>5.300</b> | <b>-</b>    | <b>5.300</b>  | <b>5.214</b> | <b>5.289</b>                    | <b>5.404</b> | <b>5.517</b> | <b>5.059</b> | <b>37.355</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |              |          |                                    |              |             |               |              |                                 |              |              |              |               |
| Initial Spares (\$ in Millions)                                                                                                               | -            | -        | 0.030                              | 0.007        | -           | 0.007         | 0.009        | -                               | -            | -            | -            | 0.046         |
| Flyaway Unit Cost (\$ in Dollars)                                                                                                             | -            | -        | -                                  | -            | -           | -             | -            | -                               | -            | -            | -            | -             |
| Gross/Weapon System Unit Cost (\$ in Dollars)                                                                                                 | -            | -        | -                                  | -            | -           | -             | -            | -                               | -            | -            | -            | -             |

## Description:

ORDNANCE SUPPORT EQUIPMENT provides funds for the procurement of equipment, material and Ordnance Alterations to improve combat effectiveness and logistic supportability for gun and mission planning systems, and ancillary support equipment.

P40A - 1/ The Naval Fires Control System (NFCS) is an automated mission planning and coordination system for the Naval Surface Fire Support (NSFS) System. It automates shipboard land attack battle management duties to be interoperable and consistent with joint C4ISR systems. The system significantly improves the Navy's ability to support forces ashore. These improvements provide enhanced capabilities and reduce total ownership costs by improving reliability and supportability of in-service systems. This system also reduces manning requirements for Naval Surface Fire Support missions.

[P40A - 2 / NV039 Night Vision Devices]: Procures new Night Vision Devices (NVD) for ships and shore sites. Provides replacement of NVD and NVD Test Equipment.

[P40A - 2 / NV051 OSS Production Improvement]: Procures various Product Improvements for MK46 Optical Sight Systems (OSS)/MK20 Electro-Optical Sight System (EOSS) on DDG 51 and CG 47 Class ships. The Optical Sight System (OSS) is an integral element of the MK 34 Gun Weapon System. These improvements provide enhanced force protection capabilities, improve availability to address increase in Fleet underway operations, and reduce total ownership costs by improved reliability and supportability of in-service equipment systems. System and component improvements include: Mod 0 Technical Refresh, upgrade of Daylight Imaging Sensor (DIS) Field of View, system power supplies, Mod 0 console / monitor upgrade, system obsolescence replacement and component level product improvements.

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|                                                                                                                                                                                                                                                   |                 |              |                                                  |                                                  |                                                                           |                                                  |                                                  |                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|--------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                 |                 |              |                                                  |                                                  |                                                                           | <b>Date:</b> February 2015                       |                                                  |                                                  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 2:<br>Ship Gun System Equipment                                                                         |                 |              |                                                  |                                                  | <b>P-1 Line Item Number / Title:</b><br>5111 / Ship Gun Systems Equipment |                                                  |                                                  |                                                  |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                         |                 |              | <b>Program Elements for Code B Items:</b>        |                                                  |                                                                           | <b>Other Related Program Elements:</b>           |                                                  |                                                  |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                          |                 |              | <b>Prior Years</b>                               | <b>FY 2014</b>                                   | <b>FY 2015</b>                                                            | <b>FY 2016 Base</b>                              | <b>FY 2016 OCO</b>                               | <b>FY 2016 Total</b>                             |
| <b>Title*</b>                                                                                                                                                                                                                                     | <b>Exhibits</b> | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                          | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| Naval Fires Control Sys                                                                                                                                                                                                                           | P-40a, P-5a     |              | - / 0.000                                        | - / -                                            | - / 0.979                                                                 | - / 0.450                                        | - / -                                            | - / 0.450                                        |
| Gun Fire Control Equipment                                                                                                                                                                                                                        | P-40a           |              | - / 0.000                                        | - / -                                            | - / 4.593                                                                 | - / 4.850                                        | - / -                                            | - / 4.850                                        |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                             |                 |              | <b>- / 0.000</b>                                 | <b>- / -</b>                                     | <b>- / 5.572</b>                                                          | <b>- / 5.300</b>                                 | <b>- / -</b>                                     | <b>- / 5.300</b>                                 |
| *Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown. |                 |              |                                                  |                                                  |                                                                           |                                                  |                                                  |                                                  |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.                                                                                                                                                                    |                 |              |                                                  |                                                  |                                                                           |                                                  |                                                  |                                                  |

**Justification:**

Note: Before FY15, the programs were previously reported under budget line items (5209 and 5112).

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|                                                                                    |  |  |  |  |  |  |  |                                                                           |  |  |  |  |  |  |                                                                          |  |  |  |  |
|------------------------------------------------------------------------------------|--|--|--|--|--|--|--|---------------------------------------------------------------------------|--|--|--|--|--|--|--------------------------------------------------------------------------|--|--|--|--|
| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                           |  |  |  |  |  |  | <b>Date:</b> February 2015                                               |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 2    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5111 / Ship Gun Systems Equipment |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Naval Fires Control Sys <sup>(1)</sup> |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                                  | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|--------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                              |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 2) INSTALLATION                                              |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) FC0002<br>Installation of NFCS Equipment <sup>(†)</sup> | A     |                | -              | -          | -                 | -              | -          | -                 | 245,000.00     | 1          | 0.245             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 2.5) FC010 Product Improvement/ORDALT                        | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.392             | -              | -          | 0.238             | -              | -          | -                 | -              | -          | 0.238             |
| 2.6) FC011<br>Installation of ORDALT                         | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.127             | -              | -          | 0.086             | -              | -          | -                 | -              | -          | 0.086             |
| 2.7) FC830<br>Production Engineering Support (NFCS)          | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.215             | -              | -          | 0.126             | -              | -          | -                 | -              | -          | 0.126             |
| Subtotal: 2) INSTALLATION                                    |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 0.979             | -              | -          | 0.450             | -              | -          | -                 | -              | -          | 0.450             |
| Total                                                        |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 0.979             | -              | -          | 0.450             | -              | -          | -                 | -              | -          | 0.450             |

(†) indicates the presence of a P-5a

**Footnotes:**

<sup>(1)</sup> The Naval Fires Control System (NFCS)

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| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy             |             |      |                         |                                                                    |                 |               |                              | Date: February 2015                                         |                   |                        |                               |                      |
|--------------------------------------------------------------------------|-------------|------|-------------------------|--------------------------------------------------------------------|-----------------|---------------|------------------------------|-------------------------------------------------------------|-------------------|------------------------|-------------------------------|----------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 2 |             |      |                         | P-1 Line Item Number / Title:<br>5111 / Ship Gun Systems Equipment |                 |               |                              | Aggregated Items:<br>Naval Fires Control Sys <sup>(1)</sup> |                   |                        |                               |                      |
| Item Number / Title [DODIC]                                              | O<br>C<br>O | FY   | Contractor and Location | Method/Type<br>or<br>Funding Vehicle                               | Location of PCO | Award<br>Date | Date<br>of First<br>Delivery | Qty<br><i>(Each)</i>                                        | Unit Cost<br>(\$) | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |
| 2) INSTALLATION                                                          |             |      |                         |                                                                    |                 |               |                              |                                                             |                   |                        |                               |                      |
| 2.1) FC0002 Installation of NFCS<br>Equipment                            |             | 2015 | VARIOUS / VARIOUS       | WR                                                                 | NAVSEA          | Apr 2015      | Jul 2015                     | 1                                                           | 245,000.00        | Y                      |                               |                      |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |                                                                           |  |  |  |  |  |  | <b>Date:</b> February 2015                                                  |  |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 2    |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5111 / Ship Gun Systems Equipment |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Gun Fire Control Equipment <sup>(2)</sup> |  |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]           | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|---------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                       |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) Equipment                          |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.2) NV039 Night Vision Devices       | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 2.285             | -              | -          | 2.319             | -              | -          | -                 | -              | -          | 2.319             |
| 1.3) NV051 OSS Production Improvement | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 2.308             | -              | -          | 2.531             | -              | -          | -                 | -              | -          | 2.531             |
| Subtotal: 1) Equipment                |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 4.593             | -              | -          | 4.850             | -              | -          | -                 | -              | -          | 4.850             |
| Total                                 |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 4.593             | -              | -          | 4.850             | -              | -          | -                 | -              | -          | 4.850             |

**Footnotes:**

<sup>(2)</sup> This program provides for the procurement of equipment, materials and Ordnance Alterations (ORDALTs) to improve combat effectiveness and maintain logistic supportability of the Optical Sight Systems (OSS) and Night Vision devices.

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|-------------------------------------------|---------------------|--------------------|----------------------|------------------------------------------------------------------------|----------------------------------------|----------------|----------------------------|--------------------|---------------|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |                |                                           |                     |                    |                      |                                                                        |                                        |                | <b>Date:</b> February 2015 |                    |               |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 2:<br>Ship Gun System Equipment                                                                                                                                                                                                                                                                                                                                                            |                    |                |                                           |                     |                    |                      | <b>P-1 Line Item Number / Title:</b><br>5112 / Naval Fires Control Sys |                                        |                |                            |                    |               |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                | <b>Program Elements for Code B Items:</b> |                     |                    |                      |                                                                        | <b>Other Related Program Elements:</b> |                |                            |                    |               |
| <b>Resource Summary</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b>                            | <b>FY 2016 Base</b> | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b>                                                         | <b>FY 2018</b>                         | <b>FY 2019</b> | <b>FY 2020</b>             | <b>To Complete</b> | <b>Total</b>  |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                      | -                                      | -              | -                          | -                  | -             |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 55.745             | 1.188          | -                                         | -                   | -                  | -                    | -                                                                      | -                                      | -              | -                          | -                  | 56.933        |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                      | -                                      | -              | -                          | -                  | -             |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 55.745             | 1.188          | -                                         | -                   | -                  | -                    | -                                                                      | -                                      | -              | -                          | -                  | 56.933        |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                      | -                                      | -              | -                          | -                  | -             |
| <b>Total Obligation Authority</b> <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>55.745</b>      | <b>1.188</b>   | -                                         | -                   | -                  | -                    | -                                                                      | -                                      | -              | -                          | -                  | <b>56.933</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>                                                                                                                                                                                                                                                                                                                                                                                        |                    |                |                                           |                     |                    |                      |                                                                        |                                        |                |                            |                    |               |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                  | 0.034          | -                                         | -                   | -                  | -                    | -                                                                      | -                                      | -              | -                          | -                  | 0.034         |
| Flyaway Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                      | -                                      | -              | -                          | -                  | -             |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                      | -                                      | -              | -                          | -                  | -             |
| <b>Description:</b><br>The Naval Fires Control System (NFCS) is an automated mission planning and coordination system for the Naval Surface Fire Support (NSFS) System. It automates shipboard land attack battle management duties to be interoperable and consistent with joint C4ISR systems. The system significantly improves the Navy's ability to support forces ashore. These improvements provide enhanced capabilities and reduce total ownership costs by improving reliability and supportability of in-service systems. |                    |                |                                           |                     |                    |                      |                                                                        |                                        |                |                            |                    |               |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------------------------------------------|-----------------------------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                      |             |       |                                          |                                                                 |                                          | Date: February 2015                      |                                          |                                          |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 2: Ship Gun System Equipment |             |       |                                          | P-1 Line Item Number / Title:<br>5112 / Naval Fires Control Sys |                                          |                                          |                                          |                                          |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                              |             |       | Program Elements for Code B Items:       |                                                                 |                                          | Other Related Program Elements:          |                                          |                                          |
| Exhibits Schedule                                                                                                                                               |             |       | Prior Years                              | FY 2014                                                         | FY 2015                                  | FY 2016 Base                             | FY 2016 OCO                              | FY 2016 Total                            |
| Title*                                                                                                                                                          | Exhibits    | ID CD | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M)                        | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) |
| Naval Fires Control Sys                                                                                                                                         | P-40a, P-5a |       | - / 55.745                               | - / 1.188                                                       | - / -                                    | - / -                                    | - / -                                    | - / -                                    |
| Total Gross/Weapon System Cost                                                                                                                                  |             |       | - / 55.745                               | - / 1.188                                                       | - / -                                    | - / -                                    | - / -                                    | - / -                                    |

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

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|------------------------------------------------------------------------------------|--|--|--|--|--|--|--|------------------------------------------------------------------------|--|--|--|--|--|--|-----------------------------------------------------------|--|--|--|--|
| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  | <b>Date:</b> February 2015                                |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 2    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5112 / Naval Fires Control Sys |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Naval Fires Control Sys |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                               | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|-----------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                           |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) Naval Fires Control Sys                                |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1)                                                        |       |                | -              | -          | 5.746             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) Naval Fires Control Sys                      |       |                | -              | -          | 5.746             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1) EQUIPMENT                                              |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) FC001 Naval Fires Control Sys (NFCS) <sup>(†)</sup>  | A     |                | 4,188K         | 3          | 12.565            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) EQUIPMENT                                    |       |                | -              | -          | 12.565            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2) INSTALLATION                                           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) FC0002 Installation of NFCS Equipment <sup>(†)</sup> | A     |                | 300,000.00     | 1          | 0.300             | 300,000.00     | 1          | 0.300             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2.2) FC007 LSS Update                                     | A     |                | -              | -          | 15.645            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2.3) FC008 LSS Remote Sensors                             | A     |                | -              | -          | 5.062             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2.4) FC009 NFCS for LSS                                   | A     |                | -              | -          | 3.290             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2.5) FC010 Product Improvement/ORDALT                     | A     |                | -              | -          | 2.935             | -              | -          | 0.441             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2.6) FC011 Installation of ORDALT                         | A     |                | -              | -          | 1.598             | -              | -          | 0.188             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2.7) FC830 Production Engineering Support (NFCS)          | A     |                | -              | -          | 7.599             | -              | -          | 0.259             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2.8) FCCA1 Gulf Coast Joint Harbor OPS Center (JHOC)      | A     |                | -              | -          | 0.997             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2.9) WAXXX Acquisition Workforce Fund - 2009              | A     |                | -              | -          | 0.008             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 2) INSTALLATION                                 |       |                | -              | -          | 37.434            | -              | -          | 1.188             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Total                                                     |       |                | -              | -          | 55.745            | -              | -          | 1.188             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

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| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy             |             |      |                            |                                                                 |                 |               |                              | Date: February 2015                          |                          |                        |                               |                      |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 2 |             |      |                            | P-1 Line Item Number / Title:<br>5112 / Naval Fires Control Sys |                 |               |                              | Aggregated Items:<br>Naval Fires Control Sys |                          |                        |                               |                      |
| Item Number / Title [DODIC]                                              | O<br>C<br>O | FY   | Contractor and Location    | Method/Type<br>or<br>Funding Vehicle                            | Location of PCO | Award<br>Date | Date<br>of First<br>Delivery | Qty<br><i>(Each)</i>                         | Unit Cost<br><i>(\$)</i> | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |
| 1) EQUIPMENT                                                             |             |      |                            |                                                                 |                 |               |                              |                                              |                          |                        |                               |                      |
| 1.1) FC001 Naval Fires Control Sys (NFCS)                                |             | 2013 | NSWC KEYPORT / KEYPORT, WA | WR                                                              | NAVSEA          | Jan 2013      | Jan 2014                     | 2                                            | 779,500.00               | Y                      |                               |                      |
| 2) INSTALLATION                                                          |             |      |                            |                                                                 |                 |               |                              |                                              |                          |                        |                               |                      |
| 2.1) FC0002 Installation of NFCS Equipment                               |             | 2013 | VARIOUS / VARIOUS          | WR                                                              | NAVSEA          | Jul 2013      | Dec 2013                     | 1                                            | 300,000.00               | Y                      |                               |                      |
| 2.1) FC0002 Installation of NFCS Equipment                               |             | 2014 | VARIOUS / VARIOUS          | WR                                                              | NAVSEA          | Apr 2014      | Jul 2014                     | 1                                            | 300,000.00               | Y                      |                               |                      |
|                                                                          |             |      |                            |                                                                 |                 |               |                              |                                              |                          |                        |                               |                      |

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Navy **Date:** February 2015

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| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 2:<br>Ship Gun System Equipment | <b>P-1 Line Item Number / Title:</b><br>5209 / Gun Fire Control Equipment |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|

|                                                           |                                           |                                        |
|-----------------------------------------------------------|-------------------------------------------|----------------------------------------|
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A | <b>Program Elements for Code B Items:</b> | <b>Other Related Program Elements:</b> |
|-----------------------------------------------------------|-------------------------------------------|----------------------------------------|

| Resource Summary                                          | Prior Years   | FY 2014      | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total         |
|-----------------------------------------------------------|---------------|--------------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|---------------|
| Procurement Quantity <i>(Units in Each)</i>               | -             | -            | -       | -            | -           | -             | -       | -       | -       | -       | -           | -             |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>          | 81.157        | 4.447        | -       | -            | -           | -             | -       | -       | -       | -       | -           | 85.604        |
| Less PY Advance Procurement <i>(\$ in Millions)</i>       | -             | -            | -       | -            | -           | -             | -       | -       | -       | -       | -           | -             |
| Net Procurement (P1) <i>(\$ in Millions)</i>              | 81.157        | 4.447        | -       | -            | -           | -             | -       | -       | -       | -       | -           | 85.604        |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>       | -             | -            | -       | -            | -           | -             | -       | -       | -       | -       | -           | -             |
| <b>Total Obligation Authority <i>(\$ in Millions)</i></b> | <b>81.157</b> | <b>4.447</b> | -       | -            | -           | -             | -       | -       | -       | -       | -           | <b>85.604</b> |

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

|                                                      |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares <i>(\$ in Millions)</i>               | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost <i>(\$ in Dollars)</i>             | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i> | - | - | - | - | - | - | - | - | - | - | - | - |

## Description:

This program provides for the procurement of equipment, materials and Ordnance Alterations (ORDALTs) to improve combat effectiveness and maintain logistic supportability of Gun Computer System (GCS) and Optical Sight Systems (OSS) and procures Night Vision devices.

[P40A / NV039 Night Vision Devices]: Procures new Night Vision Devices (NVD) for ships and shore sites. Provides replacement of NVD and NVD Test Equipment.

[P40A / NV051 OSS Production Improvement]: Procures various Product Improvements for MK46 Optical Sight Systems (OSS)/MK20 Electro-Optical Sight System (EOSS) on DDG 51 and CG 47 Class ships. The Optical Sight System (OSS) is an integral element of the MK 34 Gun Weapon System. These improvements provide enhanced force protection capabilities, improve availability to address increase in Fleet underway operations, and reduce total ownership costs by improved reliability and supportability of in-service equipment systems. System and component improvements include: Mod 0 Technical Refresh, upgrade of Daylight Imaging Sensor (DIS) Field of View, system power supplies, Mod 0 console / monitor upgrade, system obsolescence replacement and component level product improvements.

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                            |                 |              |                                                  |                                                                           |                                                  | <b>Date:</b> February 2015                       |                                                  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 2:<br>Ship Gun System Equipment                                                                                                                                                                                    |                 |              |                                                  | <b>P-1 Line Item Number / Title:</b><br>5209 / Gun Fire Control Equipment |                                                  |                                                  |                                                  |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                    |                 |              | <b>Program Elements for Code B Items:</b>        |                                                                           |                                                  | <b>Other Related Program Elements:</b>           |                                                  |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                                                                                                                                     |                 |              | <b>Prior Years</b>                               | <b>FY 2014</b>                                                            | <b>FY 2015</b>                                   | <b>FY 2016 Base</b>                              | <b>FY 2016 OCO</b>                               |
| <b>Title*</b>                                                                                                                                                                                                                                                                                                                                                | <b>Exhibits</b> | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                          | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| Gun Fire Control Equipment                                                                                                                                                                                                                                                                                                                                   | P-40a           |              | - / 81.157                                       | - / 4.447                                                                 | - / -                                            | - / -                                            | - / -                                            |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                                                                                                                                        |                 |              | <b>- / 81.157</b>                                | <b>- / 4.447</b>                                                          | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / -</b>                                     |
| <small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.<br/>         Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</small> |                 |              |                                                  |                                                                           |                                                  |                                                  |                                                  |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                           |  |  |  |  |  |  | <b>Date:</b> February 2015                                   |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 2    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5209 / Gun Fire Control Equipment |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Gun Fire Control Equipment |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                                     | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|-----------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                                 |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) Equipment                                                    |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) NV024 RMA (Reliability, Maintainability, and Availability) | A     |                | -              | -          | 6.583             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.2) NV039 Night Vision Devices                                 | A     |                | -              | -          | 30.684            | -              | -          | 1.959             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.3) NV051 OSS Production Improvement                           | A     |                | -              | -          | 43.472            | -              | -          | 2.488             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.4) WAXXX Acquisition Workforce Fund - 2009                    | A     |                | -              | -          | 0.040             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) Equipment                                          |       |                | -              | -          | 80.779            | -              | -          | 4.447             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2) Installation                                                 |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) NV6IN Install of Equipment NON-FMP                         | A     |                | -              | -          | 0.378             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 2) Installation                                       |       |                | -              | -          | 0.378             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Total                                                           |       |                | -              | -          | 81.157            | -              | -          | 4.447             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |         |                                    |              |             |               |                                                                        | Date: February 2015             |         |         |             |            |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |         |                                    |              |             |               | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment |                                 |         |         |             |            |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |         | Program Elements for Code B Items: |              |             |               |                                                                        | Other Related Program Elements: |         |         |             |            |
| Resource Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Prior Years | FY 2014 | FY 2015                            | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017                                                                | FY 2018                         | FY 2019 | FY 2020 | To Complete | Total      |
| Procurement Quantity (Units in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -           | -       | -                                  | -            | -           | -             | -                                                                      | -                               | -       | -       | -           | -          |
| Gross/Weapon System Cost (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.000       | -       | 143.570                            | 298.738      | -           | 298.738       | 277.438                                                                | 224.539                         | 199.665 | 187.862 | Continuing  | Continuing |
| Less PY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -           | -       | -                                  | -            | -           | -             | -                                                                      | -                               | -       | -       | -           | -          |
| Net Procurement (P1) (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.000       | -       | 143.570                            | 298.738      | -           | 298.738       | 277.438                                                                | 224.539                         | 199.665 | 187.862 | Continuing  | Continuing |
| Plus CY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -           | -       | -                                  | -            | -           | -             | -                                                                      | -                               | -       | -       | -           | -          |
| Total Obligation Authority (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.000       | -       | 143.570                            | 298.738      | -           | 298.738       | 277.438                                                                | 224.539                         | 199.665 | 187.862 | Continuing  | Continuing |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |         |                                    |              |             |               |                                                                        |                                 |         |         |             |            |
| Initial Spares (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -           | -       | 2.415                              | 7.453        | -           | 7.453         | 11.171                                                                 | 3.151                           | 3.368   | 3.163   | Continuing  | Continuing |
| Flyaway Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -           | -       | -                                  | -            | -           | -             | -                                                                      | -                               | -       | -       | -           | -          |
| Gross/Weapon System Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -           | -       | -                                  | -            | -           | -             | -                                                                      | -                               | -       | -       | -           | -          |
| Description:<br>Ship Missile Support Equipment provides procurement and installation support to address fleet requirements for AEGIS Weapons System, Ships Self Defense System (SSDS), Vertical Launch System (VLS), NATO Seasparrow, Rolling Air Missile System (RAMS) Guided Missile Launcher System (GMLS), and Anti-Ship Missile Decoy System NULKA.<br><br>[P40A / NATO SEASPARROW]: The NATO SEASPARROW Surface Missile System (NSSMS) is a shipboard Self-Defense Missile System. In addition to the standard mission of Anti-Air and Anti-Surface Defense (AAW, ASUW), NSSMS is designed to protect ship and crew from a variety of inbound threats, including Anti-Ship Cruise Missiles (ASCM), Fast Attack Craft/Fast Inshore Attack Craft (FAC/FIAC), Low Velocity Air Threats (LVAT), and a wide range of asymmetrical threats (e.g. Unmanned Aerial and Surface vehicles, small Rigid Hull Inflatable Boats, etc).<br><br>Primary operations consist of acquiring targets either manually using radar search or Electro Optic/Infrared capability, or automatically via external or internal designations, generation of fire-control quality track data for engage ability determination, launcher control and missile initialization, queuing of other weapons (e.g. Rolling Airframe Missile) via the Ship Self Defense System (SSDS) or AN/SWY 3/5 Combat System, RIM-7H/M/P SEASPARROW missile and RIM-162D Evolved SEASPARROW Missile (ESSM) firing, target illumination for Missile Guidance and Visual Kill/Survive and Battle Damage Assessments.<br><br>NSSMS provides manual or fully automatic operation with provisions for operator intervention or override from the time of target designation to missile away. The legacy NSSMS configuration consists of Fire Control and Launcher Systems comprised of 2-4 Directors, a distributed computing network, Transmitter Group, 3-5 Operating Consoles, and 1-2 Eight-Cell missile Launchers which employ the surface launch variant of the Sparrow and ESSM. The RIM-7 and RIM-162 missiles use semi- active guidance with target illumination provided by the shipboard MK 9/95 fire control systems. NSSMS MK 57 Mods 12 and higher (ESSM capable) are integrated with the SSDS and become part of the SSDS MK 2 Combat System on CVN 68, LHA 6 and LHD 7-8 class ships. Starting with the Ford Class (CVN 78), the Guided Missile Launching System (GMLS) is segmented from the MK 57 and interfaces directly to the SSDS Combat System; the CVN 78 effort is referred to as NSSMS Objective Configuration OC Phase 1 (OCP 1).<br><br>NSSMS Objective Configuration Phase 2 (OCP 2) consists of the segmenting the MK 9 Track Illuminator System (TIS) to interface directly to with SSDS Combat System, as well as eliminating all MK 57 watch stations. This watch station elimination dramatically reduces system life cycle costs for hardware, software, manning, training and maintenance and obsolescence requirements, also allowing the Navy to divest of RIM-7 and associated infrastructure. Recent SSDS FRB activity has also created an incentive to consider MK 9 performance improvements opportunities.<br><br>MK 29 modernization efforts address a variety of issues with the legacy MK 132 above deck launcher equipment, including achieving the desired Grade A shock qualification, solving missile loading/loader beam safety issues, missile environmental issues and future ESSM compatibility. |             |         |                                    |              |             |               |                                                                        |                                 |         |         |             |            |

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           | <b>Date:</b> February 2015                                                    |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Program Elements for Code B Items:</b> | <b>Other Related Program Elements:</b>                                        |
| <p>The NSSMS is a NATO Cooperative Project with 12 participating Governments; Australia, Belgium, Canada, Denmark, Germany, Greece, Norway, The Netherlands, Portugal, Spain, Turkey and the United States. The NSSMS and associated systems of the Cooperative Project were developed, produced and are supported under Department of Defense (DoD) International Memorandums of Understanding (MOU).</p> <p>Funding provides for (1) equipment modernization, (2) NATO SEASPARROW Objective Configuration (OC) program consisting of segmenting and automating MK 9 Track Illuminator System interfacing directly to the SSDS Combat System, and (3) Stalker Long Range Electro-Optic Sensor System.</p> <p>The MK 57 NSSMS continues to be evolved to provide credible ship self defense. These equipment modernization upgrades will result in the ability of the MK 57 System to support future mission requirements. NSSMS MK 57 Mods 12 and higher (ESSM capable) are integrated with the SSDS and become part of the SSDS MK 2 Combat System.</p> <p>The NATO SEASPARROW OC program consists of segmenting and automating the MK 9 Track Illuminator System (TIS) interfacing directly to the SSDS Combat System, eliminating all MK 57 watch stations, reducing system hardware, providing annual cost avoidance/savings, avoiding non-recurring engineering associated with integrating with CDS/CPS and allowing the Navy to divest of RIM-7 and associated infrastructure. Recent SSDS FRB activity has also created an incentive to consider MK 9 performance improvements opportunities. MK 132 Modernization (above deck launcher portion of MK 29 GMLS) allows for the upgrades necessary to address a variety of issues with this legacy equipment, including Grade A shock deficiencies with the current design when employed with ESSM, missile loading issues, missile environmental issues and future ESSM capability. The FY13 funding allocation on the Solid State Transmitter (SSTx) funding line is earmarked to support MK 9 improvements/modernization being driven by the FY12 SSDS combat system wholeness FRB/FLCIP initiate. The funding will be used to procure 1 set of MK 9 improvements/modernization related qualification hardware and associated engineering efforts. In contrast, the SSTx funding shown for FY14 and out will be used to procure production SSTx units.</p> <p>Stalker Long Range Electro-Optic Sensor System is a modular, portable and form/fit replacement for the MK 6 LLLTV mounted on NATO radar director (stabilized platform) providing 360 degree coverage satisfying ROE. It is able to detect, classify, ID, &amp; assist in intent determination supporting "24/7" NAV, INTEL &amp; AT/FP in addition to SUW, AAW and ASMD. Stalkers will be upgraded with the addition of Active/Passive Dual Imaging Sensor (AP/DIS IR). This improvement to Stalker will improve environmental performance via active/passive Short Wave IR. The Stalker system will further improve maritime target identification with increased range and resolution at night and through haze penetration/clutter reduction. This effort is in response to the NAVCENT Counter Swarm Urgent Operational Need (UON) to combat Fast Attack Craft/Fast Inshore Attack Craft (FAC/FIAC).</p> <p>[P40A - 2 / RAM GMLS]: Rolling Airframe Missile (RAM) - MK 49 Guided Missile Launching System (GMLS): RAM is a cooperative program with the Federal Republic of Germany, produced under a series of production MOUs/MOAs (the latest was signed on 19 March 2013) executed between the U.S. and the Federal Republic of Germany.</p> <p>The MK-31 Guided Missile Weapon System (GMWS) is a lightweight, quick-reaction, high firepower missile system designed to provide anti-ship missile defense. The system is comprised of a MK-44 Guided Missile Round Pack (GMRP) and the MK 49 GMLS, which holds 21 RAM missiles. The 21-round launcher is compatible with various platforms ranging from large USN aircraft carriers to Littoral Combat Ship (LCS). This system is designed to counter high density anti-ship, cruise missile raids and provide for ship survivability with accurate terminal guidance, proven lethality and no fire control illumination dependence.</p> <p>Funding profile directly supports final installations and associated efforts of RAM Mod 3 upgrades on LSD class ships in accordance with ships installation/availability schedule. Installation funding includes DSA planning and actual installation costs. Without this upgrade the Ship Self Defense System (SSDS) on these ships will only be able to fire RAM in manual mode.</p> <p>[P40A - 3 / Ship Self Defense System]: The Ship Self Defense System (SSDS) is the core combat system control element for the Quick Reaction Combat Capability (QRCC) in aircraft carriers and amphibious assault ships to defend against Anti-Ship Cruise Missiles (ASCM). SSDS integrates a diverse set of fire control loop sensors and weapons, and C4I systems for each ship class (CVN68/78, LHA6, LHD1, LPD17, and LSD41/49 ship classes). SSDS MK2 provides the capabilities for integrated air and missile defense, multi-warfare situational awareness, combat direction, and joint interoperability via the Cooperative Engagement Capability (CEC) and Tactical Digital Information Link (TADIL)-J (Link 16). SSDS MK2 is being fielded with the new construction carriers (CVN78 class) and amphibious ships (LHA6, LPD17 classes). SSDS MK2 is replacing the Advanced Combat Direction System (ACDS) in the LHD1 class, and SSDS MK1 in the LSD 41/49 class, as fleet modernization initiatives.</p> <p>SSDS MK2 integrates new combat system warfighting capabilities and improvements on phased basis via Advanced Capability Builds (ACB), Technology Insertion (TI), the Fire Control Loop Improvement Project (FCLIP), and Far-Term Interoperability Improvement Project (FTIIP). New hardware Technology Insertion baselines are required every four years to refresh the Commercial-Off-The-Shelf (COTS) assemblies to sustain system production and to support the incorporation of new ACB capabilities. Each individual ship is planned for a Technology Insertion upgrade on an eight year interval to replace obsolescent COTS hardware and support the fielding of the ACB capabilities.</p> |                                           |                                                                               |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                    | Date: February 2015                                                    |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3:<br>Ship Missile Systems Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                    | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Program Elements for Code B Items: | Other Related Program Elements:                                        |
| <p>SHIP SELF DEFENSE SYSTEM (SSDS) MK 1 provides ship self defense capabilities against Anti-Ship Cruise Missiles (ASCM) for LSD 41/49 class ships. It integrates several existing stand-alone sensor and Anti-Air Warfare weapons systems to provide an automated detect-to-engage capability against low flying, high speed ASCMs with low radar cross sections in the littoral environment. System design emphasizes physically distributed non-developmental items, commercial standards and computer program reuse in an open system architecture computer network. It includes a command table that uses components of the Navy's AN/UYQ-70 standard display for human-system interface, commercially available local area network access units and circuit cards, and commercially available fiber optic cabling. SSDS MK 1 requires a COTS obsolescence technology refresh and transitioned to an SSDS MK2 Open Architecture Computing Environment (OACE) beginning with FY10 procurement for shore sites.</p> <p>SHIP SELF DEFENSE SYSTEM (SSDS) MK 2 provides Advance Combat Direction System (ACDS) functionality and SSDS MK1 capabilities with additional weapon and sensor elements. It is integrated with Cooperative Engagement Capability (CEC) and tactical data links to provide joint interoperability for Aircraft Carriers and Amphibious Ships. It provides enhanced capabilities for Force Protection against air, surface, and subsurface threats using both own-ship and remote data in support of the Anti Air Warfare (AAW) Capstone Requirements. SSDS MK2 increases operational capabilities, improves combat readiness and Strike Group and Expeditionary Strike Group interoperability. SSDS MK 2 equips back-fit LHDs and CV(N)s with an upgraded Combat System Display, Automatic Status Board (ASTABS), Remote ASTAB Controllers, peripheral control stations and Advanced Sensor Distribution System (ASDS), as well as, the SSDS MK 2 computing equipment. Prior year procurement of SSDS MK 2 equipment included shore-based SSDS MK 2 equipment and full combat system suites for the Ship Combat System Center (SCSC), Wallops Island, Virginia; maintenance and operator training equipment at the Center for Surface Combat Systems (CSCS), Dam Neck, Virginia; and an equipment suite for the Self Defense Test Ship (SDTS) and the SSDS MK2 System Integration Lab (SIL), Raytheon IDS, San Diego. COTS obsolescence technology refresh kits are funded for SSDS MK 2 in FY15-FY20. This P-1 line item supports various Commercial Off The Shelf (COTS) based systems used within the combat system. FY15-FY20 COTS Conversion Kits are planned for CVNs, LPDs, LHDs, and LSDs, and COTS Upgrade Kits are planned for the shore sites used for SSDS software development/maintenance, training, and Combat System integration and certification testing. The COTS Tech Refresh conversion kits will support Navy Open Architecture computing environment standards to facilitate software reuse. FY13-FY15 kits are based on a Technology Insertion-12 (TI-12) configuration. FY16-FY20 are based on a TI-16 configuration. Starting in FY14, the Integrated Combat System Test Facility, at Naval Surface Warfare Center Dahlgren, is designated as an SSDS MK2 test facility for SSDS MK2/Combat System Certification testing. FY15-FY20 includes COTS Conversion Kits, equipment upgrade kits and support equipment for this facility. The budget cost estimate for the procurement and installation of the kits varies depends on the specific ship class (CVNs, LPDs, LSDs, LHAs, and LHDs), the existing configuration of the ship or shore site. The cost estimates for individual COTS conversion kits and their associated installation costs are included in the footnotes of exhibit P3A (for UQ005B).</p> <p>[P40A - 4 / AEGIS Support Equipment]: Provides equipment procurement and installation support for AEGIS Shore Facilities and Shipboard Upgrades to AEGIS Cruisers and Destroyers required to maintain the readiness of the AEGIS Weapon System in support of Combatant Commanders requirements.</p> <p>L7001: Provides funding to procure and maintain special test equipment (Adaptive Diagnostic Electronic Portable Test Set(ADEPT)/Radiation Probes) to support Maintenance and Troubleshooting efforts for the AEGIS Weapon System on Deployed Units and Critical shore sites.</p> <p>L7003: Provides funding to procure and maintain IWSL Weapons System and support infrastructure to support fleet issues resolution within the AEGIS Weapon System.</p> <p>L7006: Provides funding to procure and maintain SCSC Weapons and Combat systems and support infrastructure to support fleet training requirements and integration and test efforts required to complete Weapon and Combat System Certification.</p> <p>L7007: Provides funding to procure and maintain SCSC Weapons and Combat systems and support infrastructure to support fleet training requirements for the AEGIS Weapon System.</p> <p>L7011: Provides funding to address fleet hardware issues related to equipment obsolescence, high failure, or to reduce maintenance costs and improve the readiness of the AEGIS Fleet.</p> <p>L7600: Provides funding to complete installation of ORDALTS and other Ship Changes designed to improve the readiness of the AEGIS Combat System.</p> <p>[P40A - 5 / Vertical Launch Systems]: The MK-41 Vertical Launching System (VLS) is a surface combatant missile launching system, designed to store, select and launch various STANDARD Missile configurations, TOMAHAWK, Tactical TOMAHAWK, EVOLVED SEASPARROW (ESSM) and Vertical Launch ASROC (Anti Submarine ROcket) (VLA) missiles. The MK-41 VLS significantly improves missile capacity, flexibility, multi-mission capability, reaction time and rate of fire and is designed to be adaptable to present and future weapon systems. Current configurations are: two 61 cell launchers, forward and aft, for 22 TICONDEROGA (CG 47) Class Cruisers beginning with CG-52; one 61 cell aft and one 29 cell launcher forward for 28 ARLEIGH BURKE (DDG 51) Class Destroyers; and one 64 cell launcher aft and one 32 cell launcher forward for 34 DDG 51 FLT IIA ships.</p> <p>The OPN requirements procure Engineering Change Proposals/Ordnance Alterations (ECP/ORDALT) and funds sustaining engineering support for Fleet investigations and safety issues. Funds are required for Fleet operational availability, capability, safety and survivability. There are no significant increases or decreases in this program.</p> |                                    |                                                                        |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    | Date: February 2015                                                    |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                    | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Program Elements for Code B Items: | Other Related Program Elements:                                        |
| <p>[P40A - 6 / Maritime Integrated Planning System - MIPS]: Maritime Integrated Air and Missile Defense (IAMD) Planning System (MIPS) is an automated air and missile defense planning tool that supports Joint Force Maritime Component Commander operational level of war air defense planning by automatically and optimally allocating ship stationing options in support of Ballistic Missile Defense (BMD) or Anti-Air Warfare (AAW).</p> <p>MIPS contains United States Army Patriot and Terminal High Altitude Air Defense models to ensure synergistic allocation and positioning of maritime units in relation to other joint units, providing optimized mutual defense of selected defended assets, against selected BMD and AAW threats. FY 2012 was the first year OPN was used for the MIPS Program; to provide technology refresh to existing hardware.</p> <p>Fourteen (14) MIPS are currently planned for procurement, with two (2) ship-based installations, ten (10) shore-based installations, and one (1) Environmental Qualification Test (EQT) system. The ship classes that will receive MIPS are CVN and LCC class ships. The ten (10) shore-based systems will be installed at various predetermined locations.</p> <p>[P40A - 7 / ANTI SHIP MISSILE DECOY SYSTEM]: The Anti-Ship Missile Decoy Program covers a family of decoys and the equipment to deploy them. It is an essential element of the Anti-Ship Missile Defense tactics to counter the threat of enemy homing missiles. NULKA is a joint program with Australia, and is currently in service with the Australian, Canadian, and United States Navies. NULKA consists of Decoy Launching System (MK 53) and Offboard Active Decoy (MK 234). This line contains various equipment and subsystems for a system which will provide the capability to defeat the effectiveness of hostile Anti-Ship cruise missiles. NULKA has been installed on the CG 47, DDG 51, FFG 7, LSD 41, and LSD 49 Classes in prior years. Installation on CVNs began in FY14 and will be installed on nine carriers. The DLF-3B (MK 59) decoy systems responded to an urgent operational need by providing an initial limited interim decoy capability to the Fleet. The Advanced Decoy Architecture Project (ADAP) is EW payload developed under an ONR program that is a replacement for the current payload on the Nulka decoy. The ADAP payload provides an advanced Electronic Warfare (EW) transmitter and increased signal processing capability.</p> |                                    |                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                    |                                                                        |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                        |             |       |                                          |                                          |                                                                        | Date: February 2015                      |                                          |                                          |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3:<br>Ship Missile Systems Equipment                                                                           |             |       |                                          |                                          | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment |                                          |                                          |                                          |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                |             |       | Program Elements for Code B Items:       |                                          |                                                                        | Other Related Program Elements:          |                                          |                                          |
| Exhibits Schedule                                                                                                                                                                                                                                 |             |       | Prior Years                              | FY 2014                                  | FY 2015                                                                | FY 2016 Base                             | FY 2016 OCO                              | FY 2016 Total                            |
| Title*                                                                                                                                                                                                                                            | Exhibits    | ID CD | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M)                               | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) |
| NATO SEASPARROW                                                                                                                                                                                                                                   | P-40a       |       | - / 0.000                                | - / -                                    | - / 22.445                                                             | - / 20.723                               | - / -                                    | - / 20.723                               |
| RAM GMLS                                                                                                                                                                                                                                          | P-40a       |       | - / 0.000                                | - / -                                    | - / 3.856                                                              | - / 2.488                                | - / -                                    | - / 2.488                                |
| Ship Self Defense System                                                                                                                                                                                                                          | P-40a       |       | - / 0.000                                | - / -                                    | - / 4.844                                                              | - / 5.177                                | - / -                                    | - / 5.177                                |
| AEGIS Support Equipment                                                                                                                                                                                                                           | P-40a       |       | - / 0.000                                | - / -                                    | - / 59.427                                                             | - / 127.202                              | - / -                                    | - / 127.202                              |
| Vertical Launch Systems                                                                                                                                                                                                                           | P-40a       |       | - / 0.000                                | - / -                                    | - / 0.728                                                              | - / 0.707                                | - / -                                    | - / 0.707                                |
| ANTI SHIP MISSILE DECOY SYSTEM                                                                                                                                                                                                                    | P-40a, P-5a |       | - / 0.000                                | - / -                                    | - / 1.778                                                              | - / 44.785                               | - / -                                    | - / 44.785                               |
| 1 / NATO SEASPARROW (NSSMs Mod 12 (Pg 11-13)/Objective Configuration (OC))                                                                                                                                                                        | P-3a        |       | - / 0.000                                | - / -                                    | - / 1.075                                                              | - / 21.127                               | - / -                                    | - / 21.127                               |
| 2 / UR006 RAM MK-49 GMLS ORDALTS (NON-FMP Install)                                                                                                                                                                                                | P-3a        |       | - / 0.000                                | - / -                                    | - / 0.517                                                              | - / 7.291                                | - / -                                    | - / 7.291                                |
| 3 / UQ005B - SSDS COTS CONVERSION KITS ()                                                                                                                                                                                                         | P-3a        |       | - / 0.000                                | - / -                                    | - / 14.922                                                             | - / 56.232                               | - / -                                    | - / 56.232                               |
| 4 / VV001 NULKA SYSTEMS ()                                                                                                                                                                                                                        | P-3a        |       | - / 0.000                                | - / -                                    | - / 9.194                                                              | - / 6.261                                | - / -                                    | - / 6.261                                |
| 5 / VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT ()                                                                                                                                                                                            | P-3a        |       | - / 0.000                                | - / -                                    | - / 3.238                                                              | - / 4.850                                | - / -                                    | - / 4.850                                |
| 6 / VV831 DLF-3B SYSTEMS ()                                                                                                                                                                                                                       | P-3a        |       | - / 0.000                                | - / -                                    | - / 21.546                                                             | - / 1.895                                | - / -                                    | - / 1.895                                |
| Total Gross/Weapon System Cost                                                                                                                                                                                                                    |             |       | - / 0.000                                | - / -                                    | - / 143.570                                                            | - / 298.738                              | - / -                                    | - / 298.738                              |
| Exhibits Schedule                                                                                                                                                                                                                                 |             |       | FY 2017                                  | FY 2018                                  | FY 2019                                                                | FY 2020                                  | To Complete                              | Total                                    |
| Title*                                                                                                                                                                                                                                            | Exhibits    | ID CD | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M)                               | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) |
| NATO SEASPARROW                                                                                                                                                                                                                                   | P-40a       |       | - / -                                    | - / -                                    | - / -                                                                  | - / -                                    | - / -                                    | - / -                                    |
| RAM GMLS                                                                                                                                                                                                                                          | P-40a       |       | - / -                                    | - / -                                    | - / -                                                                  | - / -                                    | - / -                                    | - / -                                    |
| Ship Self Defense System                                                                                                                                                                                                                          | P-40a       |       | - / -                                    | - / -                                    | - / -                                                                  | - / -                                    | - / -                                    | - / -                                    |
| AEGIS Support Equipment                                                                                                                                                                                                                           | P-40a       |       | - / -                                    | - / -                                    | - / -                                                                  | - / -                                    | - / -                                    | - / -                                    |
| Vertical Launch Systems                                                                                                                                                                                                                           | P-40a       |       | - / -                                    | - / -                                    | - / -                                                                  | - / -                                    | - / -                                    | - / -                                    |
| ANTI SHIP MISSILE DECOY SYSTEM                                                                                                                                                                                                                    | P-40a, P-5a |       | - / -                                    | - / -                                    | - / -                                                                  | - / -                                    | - / -                                    | - / -                                    |
| 1 / NATO SEASPARROW (NSSMs Mod 12 (Pg 11-13)/Objective Configuration (OC))                                                                                                                                                                        | P-3a        |       | - / 3.393                                | - / 22.434                               | - / 3.605                                                              | - / 2.538                                | - / 4.526                                | - / 58.698                               |
| 2 / UR006 RAM MK-49 GMLS ORDALTS (NON-FMP Install)                                                                                                                                                                                                | P-3a        |       | - / 6.216                                | - / 6.637                                | - / 3.488                                                              | - / 2.737                                | - / 0.700                                | - / 27.586                               |
| 3 / UQ005B - SSDS COTS CONVERSION KITS ()                                                                                                                                                                                                         | P-3a        |       | - / 48.634                               | - / 50.748                               | - / 51.590                                                             | - / 52.638                               | - / -                                    | - / 274.764                              |
| 4 / VV001 NULKA SYSTEMS ()                                                                                                                                                                                                                        | P-3a        |       | - / 6.408                                | - / 6.659                                | - / 6.838                                                              | - / 6.363                                | - / 3.797                                | - / 45.520                               |
| 5 / VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT ()                                                                                                                                                                                            | P-3a        |       | - / 4.748                                | - / 4.461                                | - / 3.810                                                              | - / 3.826                                | - / -                                    | - / 24.933                               |
| 6 / VV831 DLF-3B SYSTEMS ()                                                                                                                                                                                                                       | P-3a        |       | - / 1.403                                | - / -                                    | - / -                                                                  | - / -                                    | - / 0.001                                | - / 24.845                               |
| Total Gross/Weapon System Cost                                                                                                                                                                                                                    |             |       | - / 277.438                              | - / 224.539                              | - / 199.665                                                            | - / 187.862                              | Continuing                               | Continuing                               |
| *Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown. |             |       |                                          |                                          |                                                                        |                                          |                                          |                                          |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.                                                                                                                                                                    |             |       |                                          |                                          |                                                                        |                                          |                                          |                                          |
| Justification:                                                                                                                                                                                                                                    |             |       |                                          |                                          |                                                                        |                                          |                                          |                                          |

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                              |                                           | <b>Date:</b> February 2015                                                    |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3:<br>Ship Missile Systems Equipment |                                           | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                      | <b>Program Elements for Code B Items:</b> | <b>Other Related Program Elements:</b>                                        |
| <p>Note: The items contained within this budget line item are not new starts, but are programs transitioning from other budget line items.</p>                                 |                                           |                                                                               |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  | <b>Date:</b> February 2015                        |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>NATO SEASPARROW |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                  | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|----------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                              |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) EQUIPMENT MODERNIZATION - US005           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) OBJECTIVE CONFIGURATION ENGINEERING     | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 10.000            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 1.2) MISSILE LAUNCHER UPGRADE                | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 15.135            | -              | -          | -                 | -              | -          | 15.135            |
| 1.3) PRODUCTION SUPPORT                      | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 1.500             | -              | -          | 1.500             | -              | -          | -                 | -              | -          | 1.500             |
| 1.5) LHD UPGRADE                             | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 9.735             | -              | -          | 4.088             | -              | -          | -                 | -              | -          | 4.088             |
| Subtotal: 1) EQUIPMENT MODERNIZATION - US005 |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 21.235            | -              | -          | 20.723            | -              | -          | -                 | -              | -          | 20.723            |
| 2) STALKER - US005                           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) STALKER PRODUCTION SUPPORT              | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 1.210             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 2) STALKER - US005                 |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 1.210             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Total                                        |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 22.445            | -              | -          | 20.723            | -              | -          | -                 | -              | -          | 20.723            |

| Item Number / Title [DODIC]                  | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|----------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                              |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) EQUIPMENT MODERNIZATION - US005           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) OBJECTIVE CONFIGURATION ENGINEERING     | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.2) MISSILE LAUNCHER UPGRADE                | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.3) PRODUCTION SUPPORT                      | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.5) LHD UPGRADE                             | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) EQUIPMENT MODERNIZATION - US005 |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2) STALKER - US005                           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) STALKER PRODUCTION SUPPORT              | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy |       |                |                |            |                                                                        |                |            |                   |                |            |                   |                |            |                   | Date: February 2015                        |            |                   |                |            |                   |
|-----------------------------------------------------------------------------|-------|----------------|----------------|------------|------------------------------------------------------------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|--------------------------------------------|------------|-------------------|----------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3    |       |                |                |            | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment |                |            |                   |                |            |                   |                |            |                   | Aggregated Items Title:<br>NATO SEASPARROW |            |                   |                |            |                   |
| Item Number / Title [DODIC]                                                 | ID CD | MDAP/MAIS Code | FY 2017        |            |                                                                        | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete                                |            |                   | Total Cost     |            |                   |
|                                                                             |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M)                                                      | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                             | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| Subtotal: 2) STALKER - US005                                                |       |                | -              | -          | -                                                                      | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                          | -          | -                 | -              | -          | -                 |
| Total                                                                       |       |                | -              | -          | -                                                                      | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                          | -          | -                 | -              | -          | -                 |
|                                                                             |       |                |                |            |                                                                        |                |            |                   |                |            |                   |                |            |                   |                                            |            |                   |                |            |                   |



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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  | <b>Date:</b> February 2015 |                                                           |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |  |  |  |  |  |  |                            | <b>Aggregated Items Title:</b><br>RAM GMLS <sup>(1)</sup> |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                      | ID CD | MDAP/ MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|--------------------------------------------------|-------|-----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                  |       |                 | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) UR006 RAM MK-49 GMLS ORDALTS <sup>(2)</sup>   |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) UR006 RAM MK-49 GMLS ORDALTS <sup>(3)</sup> | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.156             | -              | -          | 0.688             | -              | -          | -                 | -              | -          | 0.688             |
| Subtotal: 1) UR006 RAM MK-49 GMLS ORDALTS        |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 0.156             | -              | -          | 0.688             | -              | -          | -                 | -              | -          | 0.688             |
| 2) UR901 Systems Improvements <sup>(4)</sup>     |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) UR901 System Improvement                    | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 3.700             | -              | -          | 1.800             | -              | -          | -                 | -              | -          | 1.800             |
| Subtotal: 2) UR901 Systems Improvements          |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 3.700             | -              | -          | 1.800             | -              | -          | -                 | -              | -          | 1.800             |
| Total                                            |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 3.856             | -              | -          | 2.488             | -              | -          | -                 | -              | -          | 2.488             |

| Item Number / Title [DODIC]                      | ID CD | MDAP/ MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|--------------------------------------------------|-------|-----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                  |       |                 | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) UR006 RAM MK-49 GMLS ORDALTS <sup>(2)</sup>   |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) UR006 RAM MK-49 GMLS ORDALTS <sup>(3)</sup> | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) UR006 RAM MK-49 GMLS ORDALTS        |       |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2) UR901 Systems Improvements <sup>(4)</sup>     |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) UR901 System Improvement                    | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 2) UR901 Systems Improvements          |       |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Total                                            |       |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |                                                                               | <b>Date:</b> February 2015                                |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment | <b>Aggregated Items Title:</b><br>RAM GMLS <sup>(1)</sup> |

**Footnotes:**

<sup>(1)</sup> NSWC Port Hueneme provides installation oversight support as the In-Service Engineering Activity (ISEA) for the RAM GMLS system.

<sup>(2)</sup> These funds provide for GMLS production support, systems engineering, logistics, Ship Change Designs (SCD), Engineering Change Proposals (ECP), ship drawings for ORDALT instructions as well as information assurance (IA) compliance and safety and Interactive Electronic Technical Manuals (IETM). RAM ECP funds in FY15-FY17 are for the Ethernet upgrade which provides replacement of the Legacy Fiber Distributed Data Interface (FDDI) Combat System interface with an Ethernet Combat System interface. The Ethernet interface is required for the RAM launcher to operate the SSDS MK Capstone Combat System. This upgrade will allow RAM to operate on LHD class ships that have been upgraded with Capstone SSDS MK2 Combat Systems. LHD self defense will suffer without RAM integration as these ships will only be unable to fire either RAM Block 1 or RAM Block 2 missiles in manual mode.

<sup>(3)</sup> Production support increases due to IA, Obsolescence and Safety Support.

<sup>(4)</sup> Provides for procurement and installation of critical RAM system improvement and safety ORDALTs

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |  | <b>Date:</b> February 2015                                                |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |  |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Ship Self Defense System <sup>(5)</sup> |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                    | ID CD | MDAP/ MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|------------------------------------------------|-------|-----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                |       |                 | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) Ship Self Defense System (SSDS)             |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) UQ002 - SSDS Production Support           | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 1.679             | -              | -          | 1.708             | -              | -          | -                 | -              | -          | 1.708             |
| 1.2) UQ003 - SSDS ECP / SCD                    | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.192             | -              | -          | 0.195             | -              | -          | -                 | -              | -          | 0.195             |
| 1.3) UQ004 - SSDS Training                     | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.701             | -              | -          | 0.713             | -              | -          | -                 | -              | -          | 0.713             |
| 1.4) UQ005A - SSDS COTS Eng/ Obsolescence Kits | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 2.272             | -              | -          | 2.561             | -              | -          | -                 | -              | -          | 2.561             |
| Subtotal: 1) Ship Self Defense System (SSDS)   |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 4.844             | -              | -          | 5.177             | -              | -          | -                 | -              | -          | 5.177             |
| Total                                          |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 4.844             | -              | -          | 5.177             | -              | -          | -                 | -              | -          | 5.177             |

| Item Number / Title [DODIC]                    | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |  |  |  |  |
|------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|--|--|--|--|
|                                                |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |  |  |  |  |
| 1) Ship Self Defense System (SSDS)             |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |  |  |  |  |
| 1.1) UQ002 - SSDS Production Support           | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |  |  |  |
| 1.2) UQ003 - SSDS ECP / SCD                    | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |  |  |  |
| 1.3) UQ004 - SSDS Training                     | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |  |  |  |
| 1.4) UQ005A - SSDS COTS Eng/ Obsolescence Kits | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |  |  |  |
| Subtotal: 1) Ship Self Defense System (SSDS)   |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |  |  |  |
| Total                                          |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |  |  |  |

**Footnotes:**

<sup>(5)</sup> UQ002 - Production Engineering support for SSDS hardware. [P40A - 3 (SSDS) / UQ003 - Engineering Change Proposal (ECP) and Ship Change Document (SCD) for SSDS hardware. [P40A - 3 (SSDS) / UQ004 - Training Documentation Changes for SSDS hardware. [P40A - 3 (SSDS) / UQ005A - COTS Engineering / Obsolescence Kits for SSDS hardware. [P3A - 3 (SSDS) / UQ005B - Procurement and installation of SSDS Open Architecture Computing Environment (OACE) COTS conversion Kits for CVN, LHD, LPD, and LSD class ships and shore sites.

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  | <b>Date:</b> February 2015                                               |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>AEGIS Support Equipment <sup>(6)</sup> |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                                   | ID CD | MDAP/ MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|---------------------------------------------------------------|-------|-----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                               |       |                 | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) Aegis Support Equipment                                    |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) L7001 - Depot Special Tooling/Test Equipment             | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 4.085             | -              | -          | 4.038             | -              | -          | -                 | -              | -          | 4.038             |
| 1.2) L7003 - Integrated Warfare Systems Laboratory (7)        | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 1.317             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 1.3) L7006 - Surface Combat Systems Center Equipment (8)      | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 12.834            | -              | -          | 78.795            | -              | -          | -                 | -              | -          | 78.795            |
| 1.4) L7007 - Aegis Training & Readiness Center                | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 2.089             | -              | -          | 1.519             | -              | -          | -                 | -              | -          | 1.519             |
| 1.5) L7007 Aegis Readiness Training Center Upgrade (9)        | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 17.297            | -              | -          | 9.793             | -              | -          | -                 | -              | -          | 9.793             |
| 1.6) L7011 - Aegis Weapon System Ship Change Procurement (10) | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 13.048            | -              | -          | 19.390            | -              | -          | -                 | -              | -          | 19.390            |
| 1.8) L7600 - Aegis Support Equipment Installation (11)        | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 8.757             | -              | -          | 13.667            | -              | -          | -                 | -              | -          | 13.667            |
| Subtotal: 1) Aegis Support Equipment                          |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 59.427            | -              | -          | 127.202           | -              | -          | -                 | -              | -          | 127.202           |
| Total                                                         |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 59.427            | -              | -          | 127.202           | -              | -          | -                 | -              | -          | 127.202           |

| Item Number / Title [DODIC]                              | ID CD | MDAP/ MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |  |  |  |  |
|----------------------------------------------------------|-------|-----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|--|--|--|--|
|                                                          |       |                 | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |  |  |  |  |
| 1) Aegis Support Equipment                               |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |  |  |  |  |
| 1.1) L7001 - Depot Special Tooling/Test Equipment        | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |  |  |  |
| 1.2) L7003 - Integrated Warfare Systems Laboratory (7)   | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |  |  |  |
| 1.3) L7006 - Surface Combat Systems Center Equipment (8) | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |  |  |  |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  | <b>Date:</b> February 2015                                               |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>AEGIS Support Equipment <sup>(6)</sup> |  |  |  |  |

| Item Number / Title [DODIC]                                              | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|--------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                                          |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1.4) L7007 - Aegis Training & Readiness Center                           | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 1.5) L7007 Aegis Readiness Training Center Upgrade <sup>(9)</sup>        | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 1.6) L7011 - Aegis Weapon System Ship Change Procurement <sup>(10)</sup> | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 1.8) L7600 - Aegis Support Equipment Installation <sup>(11)</sup>        | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <i>Subtotal: 1) Aegis Support Equipment</i>                              |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <b>Total</b>                                                             |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |

**Footnotes:**

<sup>(6)</sup> Provides equipment procurement and installation support for AEGIS Shore Facilities and Shipboard Upgrades to AEGIS Cruisers and Destroyers required to maintain the readiness of the AEGIS Weapon System in support of Combatant Commanders requirements. Combat System Procurements: L7001: Special Tools & Test Equipment L7003: Computers, Displays, and Simulators for Integrated Warfare Systems Laboratory (IWSL) at Dahlgren, VA L7006: Weapon/Combat System Equipment for Surface Combat System Center (SCSC) at Wallops Island, VA L7007: Weapon/Combat System Equipment for AEGIS Readiness Training Center (ATRC) at Dahlgren, VA L7011: AEGIS Weapon System Procurements to support Ship Change Documents L7027: AEGIS Software License Procurements to support Shore Facilities and In-Service Ship L7600: AEGIS Installation support for approved ship changes

<sup>(7)</sup> Plan to eliminate Integrated Warfare System Laboratory (IWSL) in FY15

<sup>(8)</sup> FY15 to FY16 increase is to meet AEGIS TI-16 Combat System Hardware suite procurement timeline following OPNAV ACB16 requirements validation, and support AEGIS ACB16 fleet certification requirements, fleet training exercises, and introduction at the Land-Based Test Sites. FY15 to FY16 increase is to meet AEGIS TI-Next Procurements to support AEGIS ACB Next Hardware requirements.

<sup>(9)</sup> FY15 to FY16 Increase to procure AEGIS TI-16 Hardware to support AEGIS ACB16 technician and operator training requirements and fleet introduction. FY17 to FY19 Increase to procure AEGIS TI-NEXT Hardware to support AEGIS ACB NEXT technician and operator training requirements and fleet introduction.

<sup>(10)</sup> FY15 to FY16 increase to resolve higher number of ORDALTS required to address Fleet COTS DMS issues on Fielded AEGIS Weapon System.

<sup>(11)</sup> FY15 to FY16 increase to support the installation and checkout of AEGIS BL 7.2 Switch and SPY Sidewall Capacitors on DDG 91-103.

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  | <b>Date:</b> February 2015                                |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Vertical Launch Systems |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                    | ID CD | MDAP/ MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|------------------------------------------------|-------|-----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                |       |                 | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) Vertical Launch Systems                     |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) VLS ORDALTS                               | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.469             | -              | -          | 0.453             | -              | -          | -                 | -              | -          | 0.453             |
| 1.2) VLS PRODUCTION ENGINEERING                | A     |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
|                                                |       |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.201             |
| Subtotal: 1) Vertical Launch Systems           |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 0.674             | -              | -          | 0.654             | -              | -          | -                 | -              | -          | 0.654             |
| 2) 5A5IN Install Equipment N86 <sup>(12)</sup> |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) 5A5IN Install Equipment N86               | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.054             | -              | -          | 0.053             | -              | -          | -                 | -              | -          | 0.053             |
| Subtotal: 2) 5A5IN Install Equipment N86       |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 0.054             | -              | -          | 0.053             | -              | -          | -                 | -              | -          | 0.053             |
| Total                                          |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 0.728             | -              | -          | 0.707             | -              | -          | -                 | -              | -          | 0.707             |

| Item Number / Title [DODIC]                    | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) Vertical Launch Systems                     |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) VLS ORDALTS                               | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.2) VLS PRODUCTION ENGINEERING                | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) Vertical Launch Systems           |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2) 5A5IN Install Equipment N86 <sup>(12)</sup> |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) 5A5IN Install Equipment N86               | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 2) 5A5IN Install Equipment N86       |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Total                                          |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

**Footnotes:**

<sup>(12)</sup> VLS ORDALT Installation

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|                                                                                    |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  |                                                                          |  |  |  |  |
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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  | <b>Date:</b> February 2015                                               |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>ANTI SHIP MISSILE DECOY SYSTEM<br>(13) |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                               | ID CD | MDAP/ MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|-----------------------------------------------------------|-------|-----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                           |       |                 | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) VV002 - NULKA DECOYS                                   |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) NULKA DECOYS (14)                                    | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | 1,778K         | 12         | 21.336            | -              | -          | -                 | 1,778K         | 12         | 21.336            |
| Subtotal: 1) VV002 - NULKA DECOYS                         |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | -                 | -              | -          | 21.336            | -              | -          | -                 | -              | -          | 21.336            |
| 2) VV830 - PRODUCTION ENGINEERING                         |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) PRODUCTION ENGINEERING                               | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 4.620             | -              | -          | -                 | -              | -          | 4.620             |
| Subtotal: 2) VV830 - PRODUCTION ENGINEERING               |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | -                 | -              | -          | 4.620             | -              | -          | -                 | -              | -          | 4.620             |
| 3) VV832 - DLF-3B DECOYS                                  |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 3.1) VV832 DLF-3B DECOYS <sup>(t)</sup>                   | A     |                 | -              | -          | -                 | -              | -          | -                 | 332,666.67     | 3          | 0.998             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 3) VV832 - DLF-3B DECOYS                        |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 0.998             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 4) VV833 - DLF-3B LOGISTICS/PRODUCTION SUPPORT            |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 4.1) VV833 DLF-3B LOGISTICS/ PRODUCTION SUPPORT           | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.780             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 4) VV833 - DLF-3B LOGISTICS/ PRODUCTION SUPPORT |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 0.780             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 5) VV004 - ADAP PAYLOAD                                   |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 5.1) ADAP PAYLOAD (15)(t)                                 | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | 448,309.52     | 42         | 18.829            | -              | -          | -                 | 448,309.52     | 42         | 18.829            |
| Subtotal: 5) VV004 - ADAP PAYLOAD                         |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | -                 | -              | -          | 18.829            | -              | -          | -                 | -              | -          | 18.829            |
| Total                                                     |       |                 | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 1.778             | -              | -          | 44.785            | -              | -          | -                 | -              | -          | 44.785            |

| Item Number / Title [DODIC] | ID CD | MDAP/ MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |  |
|-----------------------------|-------|-----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|--|
|                             |       |                 | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |  |
| 1) VV002 - NULKA DECOYS     |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |  |
| 1.1) NULKA DECOYS (14)      | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy |       |                |                |            |                   |                                                                        |            |                   |                |            |                   |                |            |                   | Date: February 2015                                               |            |                   |                |            |                   |
|-----------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|------------------------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|-------------------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3    |       |                |                |            |                   | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment |            |                   |                |            |                   |                |            |                   | Aggregated Items Title:<br>ANTI SHIP MISSILE DECOY SYSTEM<br>(13) |            |                   |                |            |                   |
| Item Number / Title [DODIC]                                                 | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018                                                                |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete                                                       |            |                   | Total Cost     |            |                   |
|                                                                             |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                                         | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                                    | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| Subtotal: 1) VV002 - NULKA DECOYS                                           |       |                | -              | -          | -                 | -                                                                      | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                                 | -          | -                 | -              | -          | -                 |
| 2) VV830 - PRODUCTION ENGINEERING                                           |       |                |                |            |                   |                                                                        |            |                   |                |            |                   |                |            |                   |                                                                   |            |                   |                |            |                   |
| 2.1) PRODUCTION ENGINEERING                                                 | A     |                | -              | -          | -                 | -                                                                      | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                                 | -          | -                 | -              | -          | -                 |
| Subtotal: 2) VV830 - PRODUCTION ENGINEERING                                 |       |                | -              | -          | -                 | -                                                                      | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                                 | -          | -                 | -              | -          | -                 |
| 3) VV832 - DLF-3B DECOYS                                                    |       |                |                |            |                   |                                                                        |            |                   |                |            |                   |                |            |                   |                                                                   |            |                   |                |            |                   |
| 3.1) VV832 DLF-3B DECOYS <sup>(t)</sup>                                     | A     |                | -              | -          | -                 | -                                                                      | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                                 | -          | -                 | -              | -          | -                 |
| Subtotal: 3) VV832 - DLF-3B DECOYS                                          |       |                | -              | -          | -                 | -                                                                      | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                                 | -          | -                 | -              | -          | -                 |
| 4) VV833 - DLF-3B LOGISTICS/PRODUCTION SUPPORT                              |       |                |                |            |                   |                                                                        |            |                   |                |            |                   |                |            |                   |                                                                   |            |                   |                |            |                   |
| 4.1) VV833 DLF-3B LOGISTICS/ PRODUCTION SUPPORT                             | A     |                | -              | -          | -                 | -                                                                      | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                                 | -          | -                 | -              | -          | -                 |
| Subtotal: 4) VV833 - DLF-3B LOGISTICS/ PRODUCTION SUPPORT                   |       |                | -              | -          | -                 | -                                                                      | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                                 | -          | -                 | -              | -          | -                 |
| 5) VV004 - ADAP PAYLOAD                                                     |       |                |                |            |                   |                                                                        |            |                   |                |            |                   |                |            |                   |                                                                   |            |                   |                |            |                   |
| 5.1) ADAP PAYLOAD <sup>(15)(t)</sup>                                        | A     |                | -              | -          | -                 | -                                                                      | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                                 | -          | -                 | -              | -          | -                 |
| Subtotal: 5) VV004 - ADAP PAYLOAD                                           |       |                | -              | -          | -                 | -                                                                      | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                                 | -          | -                 | -              | -          | -                 |
| Total                                                                       |       |                | -              | -          | -                 | -                                                                      | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                                 | -          | -                 | -              | -          | -                 |
|                                                                             |       |                |                |            |                   |                                                                        |            |                   |                |            |                   |                |            |                   |                                                                   |            |                   |                |            |                   |



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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |                                                                               | <b>Date:</b> February 2015                                               |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment | <b>Aggregated Items Title:</b><br>ANTI SHIP MISSILE DECOY SYSTEM<br>(13) |

(†) indicates the presence of a P-5a

**Footnotes:**

(13) VV001: Procurement of MK 53 Decoy Launching Systems. VV002: Procurement of MK 234 NULKA Decoys. VV003: Engineering Changes and Logistics Support - Funding will procure Engineering Change Proposals (ECPs)/ORDALT Kits to ensure future tactical suitability and viability of NULKA and to address obsolescence, quality assurance, reliability, safety, Electromagnetic Interference (EMI), and diminishing manufacturing source issues. Additionally, funding will provide for updating Logistics including decoy and special purpose test equipment maintenance, provisioning, transportation, and training school support as required. VV830: Production Engineering support to the MK 234 NULKA Decoy. VV831: Procurement of the commercially available DLF-3B decoy systems. A ship system consists of 6 decoys, 6 launch tubes, 2 spare decoys, and 1 control panel. VV832: Procurement of DLF-3B Decoys/Spares. VV833: Logistics and Production support for DLF-3B systems. Equipment Installation: Funding is for the installation of NULKA Decoy Systems, Fleet Modernization Program installs, and installation of equipment at shore facilities.

(14) VV002: Additional funding in FY16, FY17 and FY18 is due to the increased quantity of Nulka decoys being procured.

(15) VV004: ADAP Payload. FY16 funding is for the procurement of ADAP payloads.

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| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy             |     |      |                         |                                                                        |                    |               |                              | Date: February 2015                                         |                   |                        |                               |                      |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |     |      |                         | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment |                    |               |                              | Aggregated Items:<br>ANTI SHIP MISSILE DECOY SYSTEM<br>(13) |                   |                        |                               |                      |
| Item Number / Title [DODIC]                                              | OCO | FY   | Contractor and Location | Method/Type<br>or<br>Funding Vehicle                                   | Location of PCO    | Award<br>Date | Date<br>of First<br>Delivery | Qty<br>(Each)                                               | Unit Cost<br>(\$) | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |
| 3) VV832 - DLF-3B DECOYS                                                 |     |      |                         |                                                                        |                    |               |                              |                                                             |                   |                        |                               |                      |
| 3.1) VV832 DLF-3B DECOYS                                                 |     | 2015 | AIRBORNE SYSTEMS / U.K. | C / FFP                                                                | NSWC Crane         | Feb 2015      | Feb 2016                     | 3                                                           | 332,666.67        | Y                      |                               |                      |
| 5) VV004 - ADAP PAYLOAD                                                  |     |      |                         |                                                                        |                    |               |                              |                                                             |                   |                        |                               |                      |
| 5.1) ADAP PAYLOAD <sup>(15)</sup>                                        |     | 2016 | EXELIS / NJ             | C / FFP                                                                | Naval Research Lab | Dec 2015      | Dec 2016                     | 42                                                          | 448,309.52        | Y                      |                               |                      |
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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |  |  |  |                                                                               |  |  |  | <b>Date:</b> February 2015 |                                                            |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |  |  |  |                            | <b>Modification Number / Title:</b><br>1 / NATO SEASPARROW |  |  |  |

| <b>Resource Summary</b>                                   | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016 Base</b> | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b> | <b>FY 2018</b> | <b>FY 2019</b> | <b>FY 2020</b> | <b>To Complete</b> | <b>Total</b>  |
|-----------------------------------------------------------|--------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|---------------|
| Procurement Quantity ( <i>Units in Each</i> )             | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -             |
| Gross/Weapon System Cost ( <i>\$ in Millions</i> )        | 0.000              | -              | 1.075          | 21.127              | -                  | 21.127               | 3.393          | 22.434         | 3.605          | 2.538          | 4.526              | 58.698        |
| Less PY Advance Procurement ( <i>\$ in Millions</i> )     | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -             |
| Net Procurement (P1) ( <i>\$ in Millions</i> )            | 0.000              | -              | 1.075          | 21.127              | -                  | 21.127               | 3.393          | 22.434         | 3.605          | 2.538          | 4.526              | 58.698        |
| Plus CY Advance Procurement ( <i>\$ in Millions</i> )     | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -             |
| <b>Total Obligation Authority (<i>\$ in Millions</i>)</b> | <b>0.000</b>       | <b>-</b>       | <b>1.075</b>   | <b>21.127</b>       | <b>-</b>           | <b>21.127</b>        | <b>3.393</b>   | <b>22.434</b>  | <b>3.605</b>   | <b>2.538</b>   | <b>4.526</b>       | <b>58.698</b> |

*(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)*

|                                                        |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| Initial Spares ( <i>\$ in Millions</i> )               | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> ) | - | - | - | - | - | - | - | - | - | - | - | - |

**Description:**

[TRANSMITTER UPGRADE (SSTX)] The MK 91 NATO SEASPARROW Re-Architecture Program will integrate NSSMS into SSDS MK 2 architecture to provide an additional layer of ship missile defense. The upgrade will eliminate the analog point to point architecture and other deficiencies resident to the existing MK 57 NSSMS, as well as allow for full exploitation of ESSM. In addition to the reduction in manning realized by RNSSMS, the SSTx Ordnance Alteration (ORDALT) will reduce NSSMS Cost of Ownership for the fleet. The FY13 funding allocation on the SSTx funding line is earmarked to support Mk9 improvements/modernization being driven by the FY12 SSDS combat system wholeness FRB/FLCIP initiate. Production lead time for SSTx upgrade kits is 24 months. Once completed the kits are sent to Raytheon Technical Services Company (RTSC) where existing cabinets are overhauled/upgraded. This process takes another 12 months. Total time to produce an upgraded SSTx is 36 months.

[ESSM ORDALT] The objective of this ORDALT is a cost-effective solution to protect CVNs IAW the Navy's Maritime Force Protection (MFP) program for ships self defense against the future threat of evolving ASCMs. The Navy's MFP plan calls for these platforms to carry ESSM to provide the required Probability of Raid Annihilation (PRA). The ESSM ORDALT to the GMLS MK 29 provides a low cost modification to the current trainable launcher. In conjunction with ESSM, this modification will meet performance requirements for all cited ship classes through the mid-term scenario as defined in the CAPSTONE requirements and the 1999 Report to Congress.

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                   |                                   |                                   |                                                                             |                                   |                                   |                                   |                                   | Date: February 2015                                 |                                   |                                   |                                   |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment      |                                   |                                   |                                   |                                   | Modification Number / Title:<br>1 / NATO SEASPARROW |                                   |                                   |                                   |  |
| Models of Systems Affected: MK 57                                        |                                   |                                   |                                   | Modification Type: NSSMs Mod 12 (Pg 11-13)/<br>Objective Configuration (OC) |                                   |                                   |                                   | Related RDT&E PEs:                |                                                     |                                   |                                   |                                   |  |
| Financial Plan                                                           | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                             | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                           | FY 2019                                             | FY 2020                           | To<br>Complete                    | Total                             |  |
|                                                                          | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                           | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                   | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |  |
| Procurement                                                              |                                   |                                   |                                   |                                                                             |                                   |                                   |                                   |                                   |                                                     |                                   |                                   |                                   |  |
| Modification Item 1 of 2: Radar Group                                    |                                   |                                   |                                   |                                                                             |                                   |                                   |                                   |                                   |                                                     |                                   |                                   |                                   |  |
| A Kits                                                                   |                                   |                                   |                                   |                                                                             |                                   |                                   |                                   |                                   |                                                     |                                   |                                   |                                   |  |
| Non-Recurring                                                            |                                   |                                   |                                   |                                                                             |                                   |                                   |                                   |                                   |                                                     |                                   |                                   |                                   |  |
| 1.1.1) TRANSMITTER UPGRADE (SSTX) - NonOrganic (16)                      | - / -                             | 2 / -                             | - / -                             | 2 / 7.836                                                                   | - / -                             | 2 / 7.836                         | - / -                             | 2 / 8.079                         | - / -                                               | - / -                             | - / -                             | 6 / 15.915                        |  |
| 1.1.2) INTEGRATED RADAR PROCESSOR (IRP) - Organic                        | - / -                             | - / -                             | - / -                             | 2 / 2.381                                                                   | - / -                             | 2 / 2.381                         | - / -                             | 2 / 2.316                         | - / -                                               | - / -                             | - / -                             | 4 / 4.697                         |  |
| 1.1.3) TEST SUPPORT - Organic                                            | - / -                             | - / -                             | - / -                             | - / 0.030                                                                   | - / -                             | - / 0.030                         | - / -                             | - / 0.034                         | - / -                                               | - / -                             | - / 0.038                         | - / 0.102                         |  |
| 1.1.4) COTS OBSOLESCENCE - Organic                                       | - / -                             | - / -                             | - / -                             | - / 0.297                                                                   | - / -                             | - / 0.297                         | - / -                             | - / 0.315                         | - / -                                               | - / -                             | - / 0.354                         | - / 0.966                         |  |
| 1.1.5) ECP'S - Organic                                                   | - / -                             | - / -                             | - / -                             | - / 0.030                                                                   | - / -                             | - / 0.030                         | - / -                             | - / 0.034                         | - / -                                               | - / -                             | - / 0.038                         | - / 0.102                         |  |
| Subtotal: Non-Recurring                                                  | - / 0.000                         | - / -                             | - / -                             | - / 10.574                                                                  | - / -                             | - / 10.574                        | - / -                             | - / 10.778                        | - / -                                               | - / -                             | - / 0.430                         | - / 21.782                        |  |
| Subtotal: Radar Group                                                    | - / -                             | 2 / -                             | - / -                             | 4 / 10.574                                                                  | - / -                             | 4 / 10.574                        | - / -                             | 4 / 10.778                        | - / -                                               | - / -                             | - / 0.430                         | 10 / 21.782                       |  |
| Modification Item 2 of 2: Launcher Group                                 |                                   |                                   |                                   |                                                                             |                                   |                                   |                                   |                                   |                                                     |                                   |                                   |                                   |  |
| B Kits                                                                   |                                   |                                   |                                   |                                                                             |                                   |                                   |                                   |                                   |                                                     |                                   |                                   |                                   |  |
| Non-Recurring                                                            |                                   |                                   |                                   |                                                                             |                                   |                                   |                                   |                                   |                                                     |                                   |                                   |                                   |  |
| 2.1.1) ESSM ORDALT - NonOrganic (17)                                     | 1 / 0.000                         | 2 / -                             | - / -                             | 2 / 2.598                                                                   | - / -                             | 2 / 2.598                         | - / -                             | 2 / 2.545                         | - / -                                               | - / -                             | - / -                             | 7 / 5.143                         |  |
| 2.1.2) SYSTEM LAUNCHER/CONTROLLER (SLC) - Organic                        | - / -                             | - / -                             | - / -                             | 2 / 2.401                                                                   | - / -                             | 2 / 2.401                         | - / -                             | 2 / 2.337                         | - / -                                               | - / -                             | - / -                             | 4 / 4.738                         |  |
| 2.1.3) TEST SUPPORT - Organic                                            | - / -                             | - / -                             | - / -                             | - / 0.030                                                                   | - / -                             | - / 0.030                         | - / -                             | - / 0.034                         | - / -                                               | - / -                             | - / 0.038                         | - / 0.102                         |  |
| 2.1.4) ECP'S - Organic                                                   | - / -                             | - / -                             | - / -                             | - / 0.260                                                                   | - / -                             | - / 0.260                         | - / -                             | - / 0.280                         | - / -                                               | - / -                             | - / 0.316                         | - / 0.856                         |  |
| Subtotal: Non-Recurring                                                  | - / 0.000                         | - / -                             | - / -                             | - / 5.289                                                                   | - / -                             | - / 5.289                         | - / -                             | - / 5.196                         | - / -                                               | - / -                             | - / 0.354                         | - / 10.839                        |  |
| Subtotal: Launcher Group                                                 | 1 / 0.000                         | 2 / -                             | - / -                             | 4 / 5.289                                                                   | - / -                             | 4 / 5.289                         | - / -                             | 4 / 5.196                         | - / -                                               | - / -                             | - / 0.354                         | 11 / 10.839                       |  |
| Subtotal: Procurement, All Modification Items                            | - / 0.000                         | - / -                             | - / -                             | - / 15.863                                                                  | - / -                             | - / 15.863                        | - / -                             | - / 15.974                        | - / -                                               | - / -                             | - / 0.784                         | - / 32.621                        |  |
| Support (All Modification Items)                                         |                                   |                                   |                                   |                                                                             |                                   |                                   |                                   |                                   |                                                     |                                   |                                   |                                   |  |
| 3.1) Launcher Support                                                    | - / -                             | - / -                             | - / -                             | - / 1.470                                                                   | - / -                             | - / 1.470                         | - / -                             | - / 1.470                         | - / -                                               | - / -                             | - / 0.572                         | - / 3.512                         |  |
| 4.1) Radar Support                                                       | - / -                             | - / -                             | - / -                             | - / 0.500                                                                   | - / -                             | - / 0.500                         | - / -                             | - / 1.490                         | - / -                                               | - / -                             | - / 0.632                         | - / 2.622                         |  |
| Subtotal: Support                                                        | - / 0.000                         | - / -                             | - / -                             | - / 1.970                                                                   | - / -                             | - / 1.970                         | - / -                             | - / 2.960                         | - / -                                               | - / -                             | - / 1.204                         | - / 6.134                         |  |
| Installation                                                             |                                   |                                   |                                   |                                                                             |                                   |                                   |                                   |                                   |                                                     |                                   |                                   |                                   |  |
| Modification Item 1 of 2: Radar Group                                    | - / 0.000                         | - / -                             | - / -                             | - / -                                                                       | - / -                             | - / -                             | - / 2.393                         | - / -                             | - / 2.605                                           | - / -                             | - / 1.538                         | - / 6.536                         |  |
| Modification Item 2 of 2: Launcher Group                                 | - / 0.000                         | - / -                             | - / 1.075                         | - / 3.294                                                                   | - / -                             | - / 3.294                         | - / 1.000                         | - / 3.500                         | - / 1.000                                           | - / 2.538                         | - / 1.000                         | - / 13.407                        |  |
| Subtotal: Installation                                                   | - / 0.000                         | - / -                             | - / 1.075                         | - / 3.294                                                                   | - / -                             | - / 3.294                         | - / 3.393                         | - / 3.500                         | - / 3.605                                           | - / 2.538                         | - / 2.538                         | - / 19.943                        |  |

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|--------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--------|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                   |                                   |                                   |                                                                             |                                   |                                   |                                   |                                   | Date: February 2015                                 |                                   |                                   |                                   |        |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment      |                                   |                                   |                                   |                                   | Modification Number / Title:<br>1 / NATO SEASPARROW |                                   |                                   |                                   |        |
| Models of Systems Affected: MK 57                                        |                                   |                                   |                                   | Modification Type: NSSMs Mod 12 (Pg 11-13)/<br>Objective Configuration (OC) |                                   |                                   |                                   | Related RDT&E PEs:                |                                                     |                                   |                                   |                                   |        |
| Financial Plan                                                           | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                             | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                           | FY 2019                                             | FY 2020                           | To<br>Complete                    | Total                             |        |
|                                                                          | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                           | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                   | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |        |
|                                                                          | Total                             |                                   |                                   |                                                                             |                                   |                                   |                                   |                                   |                                                     |                                   |                                   |                                   |        |
| Total Cost (Procurement + Support + Installation)                        |                                   | 0.000                             | -                                 | 1.075                                                                       | 21.127                            | -                                 | 21.127                            | 3.393                             | 22.434                                              | 3.605                             | 2.538                             | 4.526                             | 58.698 |

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|------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|-------------------------------------------------------------------------------|-----------|--------------------------------|-------------------------------------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|------------------------------------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|----------------|-----------|-----------|-----------|-----------|------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                                                                         |            |                                |           |                                |           |                                |           |                                |           | <b>Date:</b> February 2015                                                    |           |                                |                                     |                                |           |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3                                                    |            |                                |           |                                |           |                                |           |                                |           | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |           |                                |                                     |                                |           |                                |           |                                |           | <b>Modification Number / Title:</b><br>1 / NATO SEASPARROW |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Modification Item 1 of 2:</b> Radar Group                                                                                       |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |                                     |                                |           |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Manufacturer Information</b>                                                                                                    |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |                                     |                                |           |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |           |            |
| Manufacturer Name: Raytheon <sup>(18)</sup>                                                                                        |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                | Manufacturer Location: Ports,RI     |                                |           |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |           |            |
| Administrative Leadtime (in Months): 3                                                                                             |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                | Production Leadtime (in Months): 24 |                                |           |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Dates</b>                                                                                                                       |            | <b>FY 2014</b>                 |           |                                |           | <b>FY 2015</b>                 |           |                                |           | <b>FY 2016</b>                                                                |           |                                |                                     | <b>FY 2017</b>                 |           |                                |           | <b>FY 2018</b>                 |           |                                                            |           | <b>FY 2019</b>                 |           |                                |           | <b>FY 2020</b> |           |           |           |           |            |
| Contract Dates                                                                                                                     |            |                                |           |                                |           |                                |           |                                |           | Jan 2016                                                                      |           |                                |                                     |                                |           |                                |           | Jan 2018                       |           |                                                            |           |                                |           |                                |           |                |           |           |           |           |            |
| Delivery Dates                                                                                                                     |            |                                |           |                                |           |                                |           |                                |           | Jan 2018                                                                      |           |                                |                                     |                                |           |                                |           | Jan 2020                       |           |                                                            |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Installation Information</b>                                                                                                    |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |                                     |                                |           |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Method of Implementation:</b> ToDo: Get Group Method [iControl]grp:1:: Installation Name: ToDo: Get Group Title [iControl]grp:1 |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |                                     |                                |           |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Installation Cost</b>                                                                                                           |            | <b>Prior Years</b>             |           | <b>FY 2014</b>                 |           | <b>FY 2015</b>                 |           | <b>FY 2016 Base</b>            |           | <b>FY 2016 OCO</b>                                                            |           | <b>FY 2016 Total</b>           |                                     | <b>FY 2017</b>                 |           | <b>FY 2018</b>                 |           | <b>FY 2019</b>                 |           | <b>FY 2020</b>                                             |           | <b>To Complete</b>             |           | <b>Total</b>                   |           |                |           |           |           |           |            |
|                                                                                                                                    |            | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M)                                                |           | Qty (Each) / Total Cost (\$ M) |                                     | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M)                             |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           |                |           |           |           |           |            |
| Prior Years                                                                                                                        |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |                                     | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                      |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2014                                                                                                                            |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |                                     | 2 / 2.393                      |           | - / -                          |           | - / -                          |           | - / -                                                      |           | - / -                          |           | - / -                          |           | 2 / 2.393      |           |           |           |           |            |
| FY 2015                                                                                                                            |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |                                     | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                      |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2016                                                                                                                            |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |                                     | - / -                          |           | - / -                          |           | 2 / 2.605                      |           | - / -                                                      |           | - / -                          |           | - / -                          |           | 2 / 2.605      |           |           |           |           |            |
| FY 2017                                                                                                                            |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |                                     | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                      |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2018                                                                                                                            |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |                                     | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                      |           | - / -                          |           | 2 / 1.538                      |           | 2 / 1.538      |           |           |           |           |            |
| FY 2019                                                                                                                            |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |                                     | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                      |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2020                                                                                                                            |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |                                     | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                      |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| To Complete                                                                                                                        |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |                                     | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                      |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| Total                                                                                                                              |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |                                     | 2 / 2.393                      |           | - / -                          |           | 2 / 2.605                      |           | - / -                                                      |           | 2 / 1.538                      |           | 6 / 6.536                      |           |                |           |           |           |           |            |
| <b>Installation Schedule</b>                                                                                                       |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |                                     |                                |           |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |           |            |
|                                                                                                                                    | <b>PYS</b> | <b>FY 2014</b>                 |           |                                |           | <b>FY 2015</b>                 |           |                                |           | <b>FY 2016</b>                                                                |           |                                |                                     | <b>FY 2017</b>                 |           |                                |           | <b>FY 2018</b>                 |           |                                                            |           | <b>FY 2019</b>                 |           |                                |           | <b>FY 2020</b> |           |           |           | <b>TC</b> | <b>Tot</b> |
|                                                                                                                                    |            | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                                                                     | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b>                           | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                                                  | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> |           |            |
| In                                                                                                                                 | -          | -                              | -         | -                              | -         | -                              | -         | -                              | -         | -                                                                             | -         | -                              | -                                   | -                              | -         | -                              | 2         | -                              | -         | -                                                          | -         | -                              | 2         | -                              | -         | -              | -         | -         | -         | 2         | 6          |
| Out                                                                                                                                | -          | -                              | -         | -                              | -         | -                              | -         | -                              | -         | -                                                                             | -         | -                              | -                                   | -                              | -         | -                              | -         | -                              | -         | 2                                                          | -         | -                              | -         | -                              | -         | 2              | -         | -         | -         | 2         | 6          |
| <b>Method of Implementation (Organic):</b> Organic - INTEGRATED RADAR PROCESSOR (IRP)                                              |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |                                     |                                |           |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |           |            |
|                                                                                                                                    |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                | <b>Installation Quantity:</b> 4     |                                |           |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |           |            |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|-------------------------------------------------------------------------------|-----------|--------------------------------|-----------|--------------------------------|----------------------------------|--------------------------------|-----------|--------------------------------|-----------|------------------------------------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|----------------|-----------|-----------|-----------|---------------------------------|------------|--|--|--|--|--|--|--|--|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                          |            |                                |           |                                |           |                                |           |                                |           | <b>Date:</b> February 2015                                                    |           |                                |           |                                |                                  |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3                                                                                                                                                                                                                                                                                                                                                                                     |            |                                |           |                                |           |                                |           |                                |           | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |           |                                |           |                                |                                  |                                |           |                                |           | <b>Modification Number / Title:</b><br>1 / NATO SEASPARROW |           |                                |           |                                |           |                |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| <b>Modification Item 2 of 2:</b> Launcher Group                                                                                                                                                                                                                                                                                                                                                                                                                     |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                  |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| <b>Manufacturer Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                  |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| Manufacturer Name: TBD                                                                                                                                                                                                                                                                                                                                                                                                                                              |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                | Manufacturer Location: TBD       |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| Administrative Leadtime (in Months):                                                                                                                                                                                                                                                                                                                                                                                                                                |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                | Production Leadtime (in Months): |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| <b>Dates</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            | <b>FY 2014</b>                 |           |                                |           | <b>FY 2015</b>                 |           |                                |           | <b>FY 2016</b>                                                                |           |                                |           | <b>FY 2017</b>                 |                                  |                                |           | <b>FY 2018</b>                 |           |                                                            |           | <b>FY 2019</b>                 |           |                                |           | <b>FY 2020</b> |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| Contract Dates                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                  |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| Delivery Dates                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                  |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| <b>Installation Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                  |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| <b>Method of Implementation:</b> ToDo: Get Group Method [iControl]grp:2:: Installation Name: ToDo: Get Group Title [iControl]grp:2                                                                                                                                                                                                                                                                                                                                  |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                  |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| <b>Installation Cost</b>                                                                                                                                                                                                                                                                                                                                                                                                                                            |            | <b>Prior Years</b>             |           | <b>FY 2014</b>                 |           | <b>FY 2015</b>                 |           | <b>FY 2016 Base</b>            |           | <b>FY 2016 OCO</b>                                                            |           | <b>FY 2016 Total</b>           |           | <b>FY 2017</b>                 |                                  | <b>FY 2018</b>                 |           | <b>FY 2019</b>                 |           | <b>FY 2020</b>                                             |           | <b>To Complete</b>             |           | <b>Total</b>                   |           |                |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M)                                                |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |                                  | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M)                             |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           |                |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| Prior Years                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            | - / -                          |           | - / -                          |           | 1 / 1.075                      |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                  | - / -                          |           | - / -                          |           | - / -                                                      |           | - / -                          |           | - / -                          |           | 1 / 1.075      |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| FY 2014                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | - / -                          |           | - / -                          |           | - / -                          |           | 1 / 3.294                      |           | - / -                                                                         |           | 1 / 3.294                      |           | 1 / 1.000                      |                                  | - / -                          |           | - / -                          |           | - / -                                                      |           | - / -                          |           | - / -                          |           | 2 / 4.294      |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| FY 2015                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                  | - / -                          |           | - / -                          |           | - / -                                                      |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| FY 2016                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                  | 1 / 3.500                      |           | 1 / 1.000                      |           | - / -                                                      |           | - / -                          |           | - / -                          |           | 2 / 4.500      |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| FY 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                  | - / -                          |           | - / -                          |           | - / -                                                      |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| FY 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                  | - / -                          |           | - / -                          |           | 1 / 2.538                                                  |           | 1 / 1.000                      |           | - / -                          |           | 2 / 3.538      |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| FY 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                  | - / -                          |           | - / -                          |           | - / -                                                      |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| FY 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                  | - / -                          |           | - / -                          |           | - / -                                                      |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| To Complete                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                  | - / -                          |           | - / -                          |           | - / -                                                      |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| Total                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | - / -                          |           | - / -                          |           | 1 / 1.075                      |           | 1 / 3.294                      |           | - / -                                                                         |           | 1 / 3.294                      |           | 1 / 1.000                      |                                  | 1 / 3.500                      |           | 1 / 1.000                      |           | 1 / 2.538                                                  |           | 1 / 1.000                      |           | - / -                          |           | 7 / 13.407     |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
| <b>Installation Schedule</b>                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                  |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |                                 |            |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>PYS</b> | <b>FY 2014</b>                 |           |                                |           | <b>FY 2015</b>                 |           |                                |           | <b>FY 2016</b>                                                                |           |                                |           | <b>FY 2017</b>                 |                                  |                                |           | <b>FY 2018</b>                 |           |                                                            |           | <b>FY 2019</b>                 |           |                                |           | <b>FY 2020</b> |           |           |           | <b>TC</b>                       | <b>Tot</b> |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                                                                     | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b>                        | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                                                  | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> |                                 |            |  |  |  |  |  |  |  |  |
| In                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -          | -                              | -         | -                              | -         | 1                              | -         | -                              | -         | -                                                                             | -         | -                              | 1         | -                              | -                                | -                              | 1         | -                              | -         | -                                                          | 1         | -                              | 1         | -                              | -         | -              | -         | 1         | -         | 1                               | 7          |  |  |  |  |  |  |  |  |
| Out                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -          | -                              | -         | -                              | -         | -                              | -         | 1                              | -         | -                                                                             | -         | -                              | -         | -                              | -                                | 1                              | -         | -                              | 1         | -                                                          | -         | -                              | -         | 1                              | 1         | -              | -         | -         | -         | 2                               | 7          |  |  |  |  |  |  |  |  |
| <b>Method of Implementation (Organic):</b> Organic - SYSTEM LAUNCHER/CONTROLLER (SLC)                                                                                                                                                                                                                                                                                                                                                                               |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                  |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           | <b>Installation Quantity:</b> 4 |            |  |  |  |  |  |  |  |  |
| <b>Footnotes:</b><br>(16) The Transmitter group consists of 2 transmitters and 2 IRPs. Production lead time for IRPs is 17 months and 36 months for the transmitters, which included 24 months production time for the kits and 12 months to install the kits. Shipboard installation will be completed at the end of the 36 month period. SSTXs are currently installed on three of the six LHD 1 Class ships. These ships only require a IRP, SLC and ESSM ORALT. |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                  |                                |           |                                |           |                                                            |           |                                |           |                                |           |                |           |           |           |                                 |            |  |  |  |  |  |  |  |  |

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|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                               | <b>Date:</b> February 2015                                 |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment | <b>Modification Number / Title:</b><br>1 / NATO SEASPARROW |

<sup>(17)</sup> The ESSM group is shown in quantities as 1 shipset but consists of 2 ESSM Ordalts and 2 System Launcher/Controllers (SLCs). The ESSM Group will be installed with the Transmitter group as one system for installations in FY 17, FY 19 and FY 21.

<sup>(18)</sup> Delivered transmitters kits are sent to RTSC where existing cabinets are overhauled/upgraded with transmitter production kits. This process takes another 12 months until available for install in ship. Total time to produce an upgraded SSTx is 36 months.



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| Exhibit P-3a, Individual Modification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |         |         |                                                                        |             |               |         |         | Date: February 2015                                              |         |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|------------------------------------------------------------------------|-------------|---------------|---------|---------|------------------------------------------------------------------|---------|-------------|--------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |         |         | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment |             |               |         |         | Modification Number / Title:<br>2 / UR006 RAM MK-49 GMLS ORDALTS |         |             |        |
| Resource Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Prior Years | FY 2014 | FY 2015 | FY 2016 Base                                                           | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019                                                          | FY 2020 | To Complete | Total  |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                                | -       | -           | -      |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.000       | -       | 0.517   | 7.291                                                                  | -           | 7.291         | 6.216   | 6.637   | 3.488                                                            | 2.737   | 0.700       | 27.586 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                                | -       | -           | -      |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.000       | -       | 0.517   | 7.291                                                                  | -           | 7.291         | 6.216   | 6.637   | 3.488                                                            | 2.737   | 0.700       | 27.586 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                                | -       | -           | -      |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.000       | -       | 0.517   | 7.291                                                                  | -           | 7.291         | 6.216   | 6.637   | 3.488                                                            | 2.737   | 0.700       | 27.586 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |         |         |                                                                        |             |               |         |         |                                                                  |         |             |        |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                                | -       | -           | -      |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                                | -       | -           | -      |
| Description:<br>The Rolling Airframe Missile is a lightweight, quick-reaction, high firepower missile system designed to provide anti-ship missile defense. The system (MK-31 GMWS) is comprised of a MK-44 Guided Missile Round Pack (GMRP) and the MK 49 Guided Missile Launching System (GMLS), which holds 21 RAM missiles. The 21-round launcher is compatible with various platforms, ranging from large USN amphibious assault ships to Littoral Combat Ship (LCS). This system is designed to counter high density anti-ship, cruise missile raids and provide for ship survivability with accurate terminal guidance, proven lethality and no fire control illumination dependence.<br><br>Procurement and installation of RAM MK 49 GMLS critical ORDALTS on CVN, LSD, LPD, LHA, and LCS class ships. |             |         |         |                                                                        |             |               |         |         |                                                                  |         |             |        |

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                |                                |                                |                                                                        |                                |                                |                                | Date: February 2015                                              |                                |                                |                                |                                |             |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                                |                                |                                | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment |                                |                                |                                | Modification Number / Title:<br>2 / UR006 RAM MK-49 GMLS ORDALTS |                                |                                |                                |                                |             |
| Models of Systems Affected: MK 49 GMLS                                   |                                |                                |                                | Modification Type: NON-FMP Install                                     |                                |                                |                                | Related RDT&E PEs:                                               |                                |                                |                                |                                |             |
| Financial Plan                                                           | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                                                           | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                                                          | FY 2019                        | FY 2020                        | To Complete                    | Total                          |             |
|                                                                          | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                         | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |             |
| Procurement                                                              |                                |                                |                                |                                                                        |                                |                                |                                |                                                                  |                                |                                |                                |                                |             |
| Modification Item 1 of 1: UR006 RAM MK-49 GMLS ORDALTS                   |                                |                                |                                |                                                                        |                                |                                |                                |                                                                  |                                |                                |                                |                                |             |
| B Kits                                                                   |                                |                                |                                |                                                                        |                                |                                |                                |                                                                  |                                |                                |                                |                                |             |
| Recurring                                                                |                                |                                |                                |                                                                        |                                |                                |                                |                                                                  |                                |                                |                                |                                |             |
| 1.1.1) UR006 RAM MK-49 GMLS ORDALTS - NonOrganic <sup>(19)</sup>         |                                | 14 / 0.000                     | - / -                          | - / -                                                                  | 8 / 5.000                      | - / -                          | 8 / 5.000                      | 8 / 5.000                                                        | 8 / 5.000                      | 4 / 2.500                      | 2 / 1.250                      | - / -                          | 44 / 18.750 |
| Subtotal: Recurring                                                      |                                | - / 0.000                      | - / -                          | - / -                                                                  | - / 5.000                      | - / -                          | - / 5.000                      | - / 5.000                                                        | - / 5.000                      | - / 2.500                      | - / 1.250                      | - / -                          | - / 18.750  |
| Subtotal: UR006 RAM MK-49 GMLS ORDALTS                                   |                                | 14 / 0.000                     | - / -                          | - / -                                                                  | 8 / 5.000                      | - / -                          | 8 / 5.000                      | 8 / 5.000                                                        | 8 / 5.000                      | 4 / 2.500                      | 2 / 1.250                      | - / -                          | 44 / 18.750 |
| Subtotal: Procurement, All Modification Items                            |                                | - / 0.000                      | - / -                          | - / -                                                                  | - / 5.000                      | - / -                          | - / 5.000                      | - / 5.000                                                        | - / 5.000                      | - / 2.500                      | - / 1.250                      | - / -                          | - / 18.750  |
| Installation                                                             |                                |                                |                                |                                                                        |                                |                                |                                |                                                                  |                                |                                |                                |                                |             |
| Modification Item 1 of 1: UR006 RAM MK-49 GMLS ORDALTS                   |                                | - / 0.000                      | - / -                          | - / 0.517                                                              | - / 2.291                      | - / -                          | - / 2.291                      | - / 1.216                                                        | - / 1.637                      | - / 0.988                      | - / 1.487                      | - / 0.700                      | - / 8.836   |
| Subtotal: Installation                                                   |                                | - / 0.000                      | - / -                          | - / 0.517                                                              | - / 2.291                      | - / -                          | - / 2.291                      | - / 1.216                                                        | - / 1.637                      | - / 0.988                      | - / 1.487                      | - / 0.700                      | - / 8.836   |
| Total                                                                    |                                |                                |                                |                                                                        |                                |                                |                                |                                                                  |                                |                                |                                |                                |             |
| Total Cost (Procurement + Support + Installation)                        |                                | 0.000                          | -                              | 0.517                                                                  | 7.291                          | -                              | 7.291                          | 6.216                                                            | 6.637                          | 3.488                          | 2.737                          | 0.700                          | 27.586      |
|                                                                          |                                |                                |                                |                                                                        |                                |                                |                                |                                                                  |                                |                                |                                |                                |             |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-----------|-----------|----------------|----------------|-----------|----------------|-----------|----------------|-----------|-----------|-----------|----------------|-----------|-----------|-----------|-----------|------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       | <b>Date:</b> February 2015                                              |                                       |                                       |                                       |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                                       |                                       |                                       | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |                                       |                                       |                                       |                                       | <b>Modification Number / Title:</b><br>2 / UR006 RAM MK-49 GMLS ORDALTS |                                       |                                       |                                       |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| <b>Modification Item 1 of 1:</b> UR006 RAM MK-49 GMLS ORDALTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                                                         |                                       |                                       |                                       |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| <b>Manufacturer Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                                                         |                                       |                                       |                                       |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| Manufacturer Name: Raytheon Co <sup>(20)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                                                         | Manufacturer Location: Tucson AZA     |                                       |                                       |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| Administrative Leadtime (in Months): 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                                                         | Production Leadtime (in Months): 18   |                                       |                                       |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| <b>Dates</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            | <b>FY 2014</b>                        |                                       |                                       | <b>FY 2015</b>                                                                |                                       |                                       | <b>FY 2016</b>                        |                                       |                                                                         | <b>FY 2017</b>                        |                                       |                                       | <b>FY 2018</b>                        |           |           | <b>FY 2019</b> |                |           | <b>FY 2020</b> |           |                |           |           |           |                |           |           |           |           |            |
| Contract Dates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                                       |                                       |                                       |                                                                               |                                       |                                       | Dec 2015                              |                                       |                                                                         | Dec 2016                              |                                       |                                       | Dec 2017                              |           |           | Dec 2018       |                |           | Dec 2019       |           |                |           |           |           |                |           |           |           |           |            |
| Delivery Dates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |                                       |                                       |                                       |                                                                               |                                       |                                       | Jun 2017                              |                                       |                                                                         | Jun 2018                              |                                       |                                       | Jun 2019                              |           |           | Jun 2020       |                |           | Jun 2021       |           |                |           |           |           |                |           |           |           |           |            |
| <b>Installation Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                                                         |                                       |                                       |                                       |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| <b>Method of Implementation:</b> NON-FMP Install:: Installation Name: UR006 RAM MK-49 GMLS ORDALTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                                                         |                                       |                                       |                                       |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| <b>Installation Cost</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |            | <b>Prior Years</b>                    | <b>FY 2014</b>                        | <b>FY 2015</b>                        | <b>FY 2016 Base</b>                                                           | <b>FY 2016 OCO</b>                    | <b>FY 2016 Total</b>                  | <b>FY 2017</b>                        | <b>FY 2018</b>                        | <b>FY 2019</b>                                                          | <b>FY 2020</b>                        | <b>To Complete</b>                    | <b>Total</b>                          |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i>                                         | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i>                                   | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| Prior Years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            | 14 / 0.000                            | - / -                                 | - / 0.517                             | - / 2.291                                                                     | - / 0.000                             | - / 2.291                             | - / 0.700                             | - / 0.700                             | - / -                                                                   | - / 0.700                             | - / -                                 | 14 / 4.908                            |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| FY 2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | - / -                                 | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                   | - / -                                 | - / -                                 | - / -                                 |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| FY 2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | - / -                                 | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                   | - / -                                 | - / -                                 | - / -                                 |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| FY 2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | - / -                                 | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | 8 / 0.516                             | - / 0.475                             | - / -                                                                   | - / -                                 | - / -                                 | 8 / 0.991                             |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| FY 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | - / -                                 | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | 8 / 0.462                             | - / 0.500                                                               | - / -                                 | - / -                                 | 8 / 0.962                             |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| FY 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | - / -                                 | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | 8 / 0.488                                                               | - / 0.500                             | - / -                                 | 8 / 0.988                             |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| FY 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | - / -                                 | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                   | 4 / 0.287                             | - / 0.300                             | 4 / 0.587                             |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| FY 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            | - / -                                 | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                   | - / -                                 | 2 / 0.400                             | 2 / 0.400                             |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| To Complete                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            | - / -                                 | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                   | - / -                                 | - / -                                 | - / -                                 |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| Total                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            | 14 / 0.000                            | - / -                                 | - / 0.517                             | - / 2.291                                                                     | - / -                                 | - / 2.291                             | 8 / 1.216                             | 8 / 1.637                             | 8 / 0.988                                                               | 4 / 1.487                             | 2 / 0.700                             | 44 / 8.836                            |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| <b>Installation Schedule</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                                                         |                                       |                                       |                                       |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>PYS</b> | <b>FY 2014</b>                        |                                       |                                       |                                                                               | <b>FY 2015</b>                        |                                       |                                       |                                       | <b>FY 2016</b>                                                          |                                       |                                       |                                       | <b>FY 2017</b>                        |           |           |                | <b>FY 2018</b> |           |                |           | <b>FY 2019</b> |           |           |           | <b>FY 2020</b> |           |           |           | <b>TC</b> | <b>Tot</b> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            | <b>Q1</b>                             | <b>Q2</b>                             | <b>Q3</b>                             | <b>Q4</b>                                                                     | <b>Q1</b>                             | <b>Q2</b>                             | <b>Q3</b>                             | <b>Q4</b>                             | <b>Q1</b>                                                               | <b>Q2</b>                             | <b>Q3</b>                             | <b>Q4</b>                             | <b>Q1</b>                             | <b>Q2</b> | <b>Q3</b> | <b>Q4</b>      | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b>      | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> |           |            |
| In                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 14         | -                                     | -                                     | -                                     | -                                                                             | -                                     | -                                     | -                                     | -                                     | -                                                                       | -                                     | -                                     | -                                     | -                                     | -         | 8         | -              | -              | -         | 8              | -         | -              | -         | -         | 4         | -              | -         | -         | -         | 2         | 44         |
| Out                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -          | -                                     | -                                     | -                                     | -                                                                             | -                                     | -                                     | 2                                     | -                                     | -                                                                       | 2                                     | 2                                     | 2                                     | -                                     | -         | -         | 6              | 4              | -         | -              | 6         | 4              | -         | -         | 4         | 4              | -         | -         | 4         | 4         | 44         |
| <b>Footnotes:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                                                         |                                       |                                       |                                       |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |
| <sup>(19)</sup> MOD 1 to MOD 3 procurements shown in prior years were procured under BLI 5238 and are being installed under BLI 5231 due to the LSD schedule and rephrasing. FY16-FY20 procurements are for Tech Refresh/Safety/IA ORDALTS. Installation costs are associated with Mod 1 to Mod 3 ORDALT installs as well as Tech Refresh/Safety/IA ORDALT installations. Installs noted below reflect ship sets (QTY 2 per ship): FY15: 1 MOD 1 to MOD 3 ORDLAT install; FY16: 3 MOD 1 to MOD 3 ORDALT installs; FY17: 1 MOD 1 to MOD 3 ORDALT install and 2 Ships Tech Refresh/Safety/IA ORDALT Installs; FY18: 1 MOD 1 to MOD 3 ORDALT install and 4 Ships Tech Refresh/Safety/IA ORDALT Installs; FY19: 4 Ships Tech Refresh/Safety/IA ORDALT Installs; FY20: 1 MOD 1 to MOD 3 ORDALT install and 3 Ships Tech Refresh/Safety/IA ORDALT Installs; |            |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                                                         |                                       |                                       |                                       |                                       |           |           |                |                |           |                |           |                |           |           |           |                |           |           |           |           |            |

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                                                        | Date: February 2015                                              |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment | Modification Number / Title:<br>2 / UR006 RAM MK-49 GMLS ORDALTS |
| <div>(20) Tech Refresh/Safety/IA ORDALTS</div>                           |                                                                        |                                                                  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |  |  |  |                                                                               |  |  |  | <b>Date:</b> February 2015                                                       |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |  |  |  | <b>Modification Number / Title:</b><br>3 / UQ005B - SSDS COTS<br>CONVERSION KITS |  |  |  |

| Resource Summary                                                                                                                              | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total   |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|---------|
| Procurement Quantity <i>(Units in Each)</i>                                                                                                   | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -       |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                              | 0.000       | -       | 14.922  | 56.232       | -           | 56.232        | 48.634  | 50.748  | 51.590  | 52.638  | -           | 274.764 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -       |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                  | 0.000       | -       | 14.922  | 56.232       | -           | 56.232        | 48.634  | 50.748  | 51.590  | 52.638  | -           | 274.764 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -       |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                            | 0.000       | -       | 14.922  | 56.232       | -           | 56.232        | 48.634  | 50.748  | 51.590  | 52.638  | -           | 274.764 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |             |         |         |              |             |               |         |         |         |         |             |         |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                        | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -       |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                          | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -       |

**Description:**

SSDS MK 2 Commercial Off The Shelf (COTS) obsolescence technology refresh kits are funded in FY15-FY20. This P-1 line item supports several variations of COTS based systems used within the combat system. FY15-FY20 COTS Conversion Kits are planned for CVNs, LPDs, LHDs, and LSDs, and COTS Upgrade Kits are planned for the shore sites used for SSDS software development/maintenance, training, and Combat System integration and certification testing. The COTS Tech Refresh conversion kits will support Navy Open Architecture Computing Environment (OACE) standards to facilitate use of commercial software and reuse of application software. FY13-FY15 kits are based on a Technology Insertion-12 (TI-12) configuration. FY16-FY20 are based on a TI-16 configuration. The budget cost estimate for the procurement and installation of the kits varies depends on the specific ship class (CVNs, LPDs, LSDs, LHAs, and LHDs), the existing configuration of the ship or shore site. The cost estimates for individual COTS conversion kits and their associated installation costs are included in the footnotes in this exhibit P3A (for UQ005B).

[UQ5IN FMP SHIP UNITS] For FY15, competitive build to print production contracts for unique SSDS equipment are planned.

The cost for the ship and shore site kits vary depending on the specific ship class (CVN, LPD, LSD, LHA, and LHD), the specific shore site and the existing configuration of the ship/site involved. The costs for each kit are listed below. SSDS kit funding is provided to various contractors and field activities. Production lead time for kits ranges from 9 months (for equipment COTS upgrade kits) to 15 months for system COTS conversion kits for ships and shore sites.

SSDS FY15 unit costs are:

\$5,928K for (1) LHD COTS Conversion Kit for ACDS replacement in LHD2,(see note below)

\$882K for (1) Dahlgren Shore Site Upgrade Kit for ICSTF,

\$883K for (1) Wallops Island Upgrade Kit

Total Cost for 3 units in FY15 (UQ005B) is \$7,693K.

SSDS FY16 unit costs are:

\$ 8,167K for (1) LHD COTS Conversion Kit,

\$ 6,318K for (1) LPD COTS Conversion Kit,

\$ 6,318K for (1) Dahlgren COTS Conversion Kit,

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                               | <b>Date:</b> February 2015                                                       |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment | <b>Modification Number / Title:</b><br>3 / UQ005B - SSDS COTS<br>CONVERSION KITS |
| <p>\$ 6,318K for (1) Wallops Island COTS Conversion Kit,<br/> \$ 6,318K for (1) Raytheon SIL COTS Conversion Kit,<br/> \$ 3,517K for (1) Maintenance Trainer COTS Upgrade Kit.</p> <p>Total Cost for 6 units in FY16 (UQ005B) is \$36,956K.</p> <hr/> <p>SSDS Ship Installation Costs in FY15 (total \$6,079K) include:<br/> \$ 1,600K for Shipyard Services/DSA for LSD45 AIT,<br/> \$ 4,479K for Advanced Planning/DSA for (2) LHDs, (1) LSD, and (1)LPD</p> <hr/> <p>SSDS Ship Installation Costs in FY16 (total \$16,888K) include:<br/> \$ 6,925K for AIT/DSA for (2) LHD Kits (for LHD2 SSDS MK2/Combat System AAW Capstone Installation (Includes installation of FY15 LHD2 Kit and of the redesignated LSD47 FY14 Kit (1 of 3 FY14 Ship COTS Conversion Kits shown on the FY2014 procurement row of the P3A exhibit for UQ51N ship installation information).<br/> \$ 7,446K for AIT/DSA for (2) FY14 LSD Kits,<br/> \$ 2,517K for<br/> Advanced Planning/DSA for (1) CVN, (2) LHDs, and (1) LPD.</p> <hr/> |                                                                               |                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                               |                                                                                  |

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   | Date: February 2015                                                       |                                   |                                   |                                   |                                   |              |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment |                                   |                                   |                                   | Modification Number / Title:<br>3 / UQ005B - SSDS COTS<br>CONVERSION KITS |                                   |                                   |                                   |                                   |              |
| Models of Systems Affected:                                              |                                   |                                   |                                   | Modification Type:                                                     |                                   |                                   |                                   | Related RDT&E PEs:                                                        |                                   |                                   |                                   |                                   |              |
| Financial Plan                                                           | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                        | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                                                                   | FY 2019                           | FY 2020                           | To<br>Complete                    | Total                             |              |
|                                                                          | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                      | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                         | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |              |
| Procurement                                                              |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                                                           |                                   |                                   |                                   |                                   |              |
| Modification Item 1 of 1: UQ005B - SSDS COTS<br>CONVERSION KITS          |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                                                           |                                   |                                   |                                   |                                   |              |
| B Kits                                                                   |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                                                           |                                   |                                   |                                   |                                   |              |
| Recurring                                                                |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                                                           |                                   |                                   |                                   |                                   |              |
| 1.1.1) UQ5IN FMP SHIP UNITS - NonOrganic <sup>(21)</sup>                 |                                   | - / -                             | 3 / -                             | 1 / 5.928                                                              | 2 / 14.485                        | - / -                             | 2 / 14.485                        | 4 / 33.882                                                                | 3 / 27.953                        | 3 / 28.968                        | 3 / 29.601                        | - / -                             | 19 / 140.817 |
| 1.1.2) UQ6IN NON FMP SHORE SITES - NonOrganic                            |                                   | - / -                             | 2 / -                             | 2 / 1.765                                                              | 4 / 22.471                        | - / -                             | 4 / 22.471                        | 2 / 1.461                                                                 | 1 / 0.492                         | 3 / 3.294                         | 4 / 4.059                         | - / -                             | 18 / 33.542  |
| Subtotal: Recurring                                                      |                                   | - / 0.000                         | - / -                             | - / 7.693                                                              | - / 36.956                        | - / -                             | - / 36.956                        | - / 35.343                                                                | - / 28.445                        | - / 32.262                        | - / 33.660                        | - / -                             | - / 174.359  |
| Subtotal: UQ005B - SSDS COTS CONVERSION KITS                             |                                   | - / -                             | 5 / -                             | 3 / 7.693                                                              | 6 / 36.956                        | - / -                             | 6 / 36.956                        | 6 / 35.343                                                                | 4 / 28.445                        | 6 / 32.262                        | 7 / 33.660                        | - / -                             | 37 / 174.359 |
| Subtotal: Procurement, All Modification Items                            |                                   | - / 0.000                         | - / -                             | - / 7.693                                                              | - / 36.956                        | - / -                             | - / 36.956                        | - / 35.343                                                                | - / 28.445                        | - / 32.262                        | - / 33.660                        | - / -                             | - / 174.359  |
| Installation                                                             |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                                                           |                                   |                                   |                                   |                                   |              |
| Modification Item 1 of 1: UQ005B - SSDS COTS<br>CONVERSION KITS          |                                   | - / 0.000                         | - / -                             | - / 7.229                                                              | - / 19.276                        | - / -                             | - / 19.276                        | - / 13.291                                                                | - / 22.303                        | - / 19.328                        | - / 18.978                        | - / -                             | - / 100.405  |
| Subtotal: Installation                                                   |                                   | - / 0.000                         | - / -                             | - / 7.229                                                              | - / 19.276                        | - / -                             | - / 19.276                        | - / 13.291                                                                | - / 22.303                        | - / 19.328                        | - / 18.978                        | - / -                             | - / 100.405  |
| Total                                                                    |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                                                           |                                   |                                   |                                   |                                   |              |
| Total Cost (Procurement + Support + Installation)                        |                                   | 0.000                             | -                                 | 14.922                                                                 | 56.232                            | -                                 | 56.232                            | 48.634                                                                    | 50.748                            | 51.590                            | 52.638                            | -                                 | 274.764      |
|                                                                          |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                                                           |                                   |                                   |                                   |                                   |              |

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|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                               | <b>Date:</b> February 2015                                                       |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment | <b>Modification Number / Title:</b><br>3 / UQ005B - SSDS COTS<br>CONVERSION KITS |

**Modification Item 1 of 1:** UQ005B - SSDS COTS CONVERSION KITS

| Manufacturer Information                         |         |          |          |                                                      |          |          |          |
|--------------------------------------------------|---------|----------|----------|------------------------------------------------------|----------|----------|----------|
| Manufacturer Name: TBD (Competitive Procurement) |         |          |          | Manufacturer Location: TBD (Competitive Procurement) |          |          |          |
| Administrative Leadtime (in Months): 3           |         |          |          | Production Leadtime (in Months): 15                  |          |          |          |
| Dates                                            | FY 2014 | FY 2015  | FY 2016  | FY 2017                                              | FY 2018  | FY 2019  | FY 2020  |
| Contract Dates                                   |         | Apr 2015 | Jan 2016 | Jan 2017                                             | Jan 2018 | Jan 2019 | Jan 2010 |
| Delivery Dates                                   |         | Jul 2016 | Apr 2017 | Apr 2018                                             | Apr 2019 | Apr 2020 | Apr 2021 |

**Installation Information**

**Method of Implementation:** [none specified]:: Installation Name: UQ5IN FMP SHIP UNITS - INSTALLATION

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2014           | - / -                          | - / -                          | - / 2.143                      | 3 / 7.446                      | - / -                          | 3 / 7.446                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 3 / 9.589                      |
| FY 2015           | - / -                          | - / -                          | - / 2.981                      | 1 / 6.925                      | - / -                          | 1 / 6.925                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 9.906                      |
| FY 2016           | - / -                          | - / -                          | - / 0.955                      | - / 0.633                      | - / -                          | - / 0.633                      | 2 / 7.053                      | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 8.641                      |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / 1.884                      | - / -                          | - / 1.884                      | - / 2.675                      | 4 / 18.186                     | - / -                          | - / -                          | - / -                          | 4 / 22.745                     |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / 1.382                      | - / 2.148                      | 3 / 14.580                     | - / -                          | - / -                          | 3 / 18.110                     |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / 1.111                      | - / 2.277                      | 3 / 15.648                     | - / -                          | 3 / 19.036                     |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / 1.540                      | - / 2.095                      | 3 / -                          | 3 / 3.635                      |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | - / -                          | - / -                          | - / 6.079                      | 4 / 16.888                     | - / -                          | 4 / 16.888                     | 2 / 11.110                     | 4 / 21.445                     | 3 / 18.397                     | 3 / 17.743                     | 3 / -                          | 19 / 91.662                    |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | -   | -       | -  | -  | -  | -       | -  | -  | -  | -       | 2  | 1  | 1  | -       | 1  | -  | 1  | -       | -  | 3  | 1  | -       | 1  | 2  | -  | 1       | -  | 1  | 1  | 3  | 19  |
| Out | -   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | 2  | 1  | 1       | -  | 1  | -  | 1       | -  | 3  | 1  | -       | 1  | 2  | -  | 1       | -  | 1  | 4  | 19 |     |

**Method of Implementation:** Method:: Installation Name: UQ6IN NON FMP SHORE SITES - INSTALLATION

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |



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|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                               | <b>Date:</b> February 2015                                                       |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment | <b>Modification Number / Title:</b><br>3 / UQ005B - SSDS COTS<br>CONVERSION KITS |

**Modification Item 1 of 1:** UQ005B - SSDS COTS CONVERSION KITS

**Installation Information**

**Method of Implementation:** Method:: Installation Name: UQ6IN NON FMP SHORE SITES - INSTALLATION

| Installation Cost | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                   | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                           | FY 2019                           | FY 2020                           | To<br>Complete                    | Total                             |
|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
|                   | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |
| FY 2014           | - / -                             | - / -                             | 2 / 0.650                         | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | 2 / 0.650                         |
| FY 2015           | - / -                             | - / -                             | - / 0.500                         | 2 / 0.380                         | - / -                             | 2 / 0.380                         | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | 2 / 0.880                         |
| FY 2016           | - / -                             | - / -                             | - / -                             | - / 2.008                         | - / -                             | - / 2.008                         | 4 / 1.881                         | - / -                             | - / -                             | - / -                             | - / -                             | 4 / 3.889                         |
| FY 2017           | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / 0.300                         | 2 / 0.630                         | - / -                             | - / -                             | - / -                             | 2 / 0.930                         |
| FY 2018           | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / 0.228                         | 1 / 0.200                         | - / -                             | - / -                             | 1 / 0.428                         |
| FY 2019           | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / 0.731                         | 3 / 0.900                         | - / -                             | 3 / 1.631                         |
| FY 2020           | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / 0.335                         | 4 / -                             | 4 / 0.335                         |
| To Complete       | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             |
| Total             | - / -                             | - / -                             | 2 / 1.150                         | 2 / 2.388                         | - / -                             | 2 / 2.388                         | 4 / 2.181                         | 2 / 0.858                         | 1 / 0.931                         | 3 / 1.235                         | 4 / -                             | 18 / 8.743                        |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | -   | -       | -  | -  | -  | -       | -  | 1  | 1  | -       | -  | 2  | -  | -       | -  | 2  | 2  | -       | -  | 1  | 1  | -       | -  | 1  | -  | -       | -  | 1  | 2  | 4  | 18  |
| Out | -   | -       | -  | -  | -  | -       | -  | -  | 1  | 1       | -  | -  | 2  | -       | -  | -  | 2  | 2       | -  | -  | 1  | 1       | -  | -  | 1  | -       | -  | -  | 1  | 6  | 18  |

**Footnotes:**

<sup>(21)</sup> FY16 \$ 6,925K for AIT/DSA for (2) LHD Kits (for LHD2 SSDS MK2/Combat System AAW Capstone Installation (Includes installation of FY15 LHD2 Kit and of the redesignated LSD47 FY14 Kit (1 of 3 FY14 Ship COTS Conversion Kits shown on the FY2014 procurement row of the P3A exhibit for UQ5IN ship installation information).

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|----------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|------------------------------------------------------------------------|-------------|---------------|---------|---------|---------------------------------------------------------|---------|-------------|--------|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                                                                                    |             |         |         |                                                                        |             |               |         |         | Date: February 2015                                     |         |             |        |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3                                                               |             |         |         | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment |             |               |         |         | Modification Number / Title:<br>4 / VV001 NULKA SYSTEMS |         |             |        |
| Resource Summary                                                                                                                       | Prior Years | FY 2014 | FY 2015 | FY 2016 Base                                                           | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019                                                 | FY 2020 | To Complete | Total  |
| Procurement Quantity <i>(Units in Each)</i>                                                                                            | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                       | -       | -           | -      |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                       | 0.000       | -       | 9.194   | 6.261                                                                  | -           | 6.261         | 6.408   | 6.659   | 6.838                                                   | 6.363   | 3.797       | 45.520 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                    | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                       | -       | -           | -      |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                           | 0.000       | -       | 9.194   | 6.261                                                                  | -           | 6.261         | 6.408   | 6.659   | 6.838                                                   | 6.363   | 3.797       | 45.520 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                    | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                       | -       | -           | -      |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                     | 0.000       | -       | 9.194   | 6.261                                                                  | -           | 6.261         | 6.408   | 6.659   | 6.838                                                   | 6.363   | 3.797       | 45.520 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) |             |         |         |                                                                        |             |               |         |         |                                                         |         |             |        |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                 | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                       | -       | -           | -      |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                   | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                       | -       | -           | -      |
| Description:<br>[NULKA SYSTEMS] Program funds the procurement and installation of the MK53 NULKA System.                               |             |         |         |                                                                        |             |               |         |         |                                                         |         |             |        |
|                                                                                                                                        |             |         |         |                                                                        |             |               |         |         |                                                         |         |             |        |

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|--------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   | Date: February 2015               |                                                         |                                   |                                   |                                   |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment |                                   |                                   |                                   |                                   | Modification Number / Title:<br>4 / VV001 NULKA SYSTEMS |                                   |                                   |                                   |  |
| Models of Systems Affected: MK 53 DLS                                    |                                   |                                   |                                   | Modification Type:                                                     |                                   |                                   |                                   |                                   | Related RDT&E PEs:                                      |                                   |                                   |                                   |  |
| Financial Plan                                                           | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                        | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                           | FY 2019                                                 | FY 2020                           | To<br>Complete                    | Total                             |  |
|                                                                          | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                      | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                       | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |  |
| Procurement                                                              |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                                         |                                   |                                   |                                   |  |
| Modification Item 1 of 1: VV001 NULKA SYSTEMS                            |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                                         |                                   |                                   |                                   |  |
| B Kits                                                                   |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                                         |                                   |                                   |                                   |  |
| Recurring                                                                |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                                         |                                   |                                   |                                   |  |
| 1.1.1) NULKA SYSTEMS - NonOrganic <sup>(22)</sup>                        | 1 / 0.000                         | 1 / -                             | 1 / 0.425                         | 1 / 1.300                                                              | - / -                             | 1 / 1.300                         | 1 / 1.300                         | 1 / 1.400                         | 1 / 1.417                                               | 1 / 1.460                         | - / -                             | 8 / 7.302                         |  |
| 1.1.2) TRAINING EQUIPMENT - NonOrganic                                   | - / -                             | - / -                             | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                   | - / -                             | - / 0.001                         | - / 0.001                         |  |
| Subtotal: Recurring                                                      | - / 0.000                         | - / -                             | - / 0.425                         | - / 1.300                                                              | - / -                             | - / 1.300                         | - / 1.300                         | - / 1.400                         | - / 1.417                                               | - / 1.460                         | - / 0.001                         | - / 7.303                         |  |
| Subtotal: VV001 NULKA SYSTEMS                                            | 1 / 0.000                         | 1 / -                             | 1 / 0.425                         | 1 / 1.300                                                              | - / -                             | 1 / 1.300                         | 1 / 1.300                         | 1 / 1.400                         | 1 / 1.417                                               | 1 / 1.460                         | - / 0.001                         | 8 / 7.303                         |  |
| Subtotal: Procurement, All Modification Items                            | - / 0.000                         | - / -                             | - / 0.425                         | - / 1.300                                                              | - / -                             | - / 1.300                         | - / 1.300                         | - / 1.400                         | - / 1.417                                               | - / 1.460                         | - / 0.001                         | - / 7.303                         |  |
| Installation                                                             |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                                         |                                   |                                   |                                   |  |
| Modification Item 1 of 1: VV001 NULKA SYSTEMS                            | - / 0.000                         | - / -                             | - / 8.769                         | - / 4.961                                                              | - / -                             | - / 4.961                         | - / 5.108                         | - / 5.259                         | - / 5.421                                               | - / 4.903                         | - / 3.796                         | - / 38.217                        |  |
| Subtotal: Installation                                                   | - / 0.000                         | - / -                             | - / 8.769                         | - / 4.961                                                              | - / -                             | - / 4.961                         | - / 5.108                         | - / 5.259                         | - / 5.421                                               | - / 4.903                         | - / 3.796                         | - / 38.217                        |  |
| Total                                                                    |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                                         |                                   |                                   |                                   |  |
| Total Cost (Procurement + Support + Installation)                        | 0.000                             | -                                 | 9.194                             | 6.261                                                                  | -                                 | 6.261                             | 6.408                             | 6.659                             | 6.838                                                   | 6.363                             | 3.797                             | 45.520                            |  |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------|-------------------------------------|-----------|-----------|----------------|-----------|----------------------------------------------------------------|-----------|----------------|-----------|-----------|-----------|----------------|-----------|-----------|-----------|-----------|------------|---|---|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                                                                                             |            |                                |                                |                                |                                |                                |                                |                                |                                | <b>Date:</b> February 2015                                                    |                                |                                |                                |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3                                                                        |            |                                |                                |                                |                                |                                |                                |                                |                                | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |                                |                                |                                |                |                                     |           |           |                |           | <b>Modification Number / Title:</b><br>4 / VV001 NULKA SYSTEMS |           |                |           |           |           |                |           |           |           |           |            |   |   |
| <b>Modification Item 1 of 1:</b> VV001 NULKA SYSTEMS                                                                                                   |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| <b>Manufacturer Information</b>                                                                                                                        |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| Manufacturer Name: SECHAN                                                                                                                              |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                | Manufacturer Location: LITITZ, PA   |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| Administrative Leadtime (in Months): 6                                                                                                                 |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                | Production Leadtime (in Months): 14 |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| <b>Dates</b>                                                                                                                                           |            | <b>FY 2014</b>                 |                                |                                |                                | <b>FY 2015</b>                 |                                |                                |                                | <b>FY 2016</b>                                                                |                                |                                |                                | <b>FY 2017</b> |                                     |           |           | <b>FY 2018</b> |           |                                                                |           | <b>FY 2019</b> |           |           |           | <b>FY 2020</b> |           |           |           |           |            |   |   |
| Contract Dates                                                                                                                                         |            |                                |                                |                                |                                | Feb 2015                       |                                |                                |                                | Dec 2015                                                                      |                                |                                |                                | Dec 2016       |                                     |           |           | Dec 2017       |           |                                                                |           | Dec 2018       |           |           |           | Dec 2019       |           |           |           |           |            |   |   |
| Delivery Dates                                                                                                                                         |            |                                |                                |                                |                                | Apr 2016                       |                                |                                |                                | Feb 2017                                                                      |                                |                                |                                | Feb 2018       |                                     |           |           | Feb 2019       |           |                                                                |           | Feb 2020       |           |           |           | Feb 2021       |           |           |           |           |            |   |   |
| <b>Installation Information</b>                                                                                                                        |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| <b>Method of Implementation:</b> AIT:: Installation Name: NULKA SYSTEMS                                                                                |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| <b>Installation Cost</b>                                                                                                                               |            | <b>Prior Years</b>             | <b>FY 2014</b>                 | <b>FY 2015</b>                 | <b>FY 2016 Base</b>            | <b>FY 2016 OCO</b>             | <b>FY 2016 Total</b>           | <b>FY 2017</b>                 | <b>FY 2018</b>                 | <b>FY 2019</b>                                                                | <b>FY 2020</b>                 | <b>To Complete</b>             | <b>Total</b>                   |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
|                                                                                                                                                        |            | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                                | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| Prior Years                                                                                                                                            |            | - / -                          | - / -                          | 1 / 3.221                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                         | - / -                          | - / -                          | 1 / 3.221                      |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| FY 2014                                                                                                                                                |            | - / -                          | - / -                          | 1 / 4.051                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                         | - / -                          | - / -                          | 1 / 4.051                      |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| FY 2015                                                                                                                                                |            | - / -                          | - / -                          | - / 1.014                      | 1 / 3.372                      | - / -                          | 1 / 3.372                      | - / -                          | - / -                          | - / -                                                                         | - / -                          | - / -                          | 1 / 4.386                      |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| FY 2016                                                                                                                                                |            | - / -                          | - / -                          | - / 0.483                      | - / 1.083                      | - / -                          | - / 1.083                      | 1 / 3.472                      | - / -                          | - / -                                                                         | - / -                          | - / -                          | 1 / 5.038                      |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| FY 2017                                                                                                                                                |            | - / -                          | - / -                          | - / -                          | - / 0.506                      | - / -                          | - / 0.506                      | - / 1.115                      | 1 / 3.574                      | - / -                                                                         | - / -                          | - / -                          | 1 / 5.195                      |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| FY 2018                                                                                                                                                |            | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / 0.521                      | - / 1.148                      | 1 / 3.685                                                                     | - / -                          | - / -                          | 1 / 5.354                      |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| FY 2019                                                                                                                                                |            | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / 0.537                      | - / 1.183                      | 1 / 3.685                                                                     | - / -                          | - / -                          | 1 / 5.405                      |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| FY 2020                                                                                                                                                |            | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / 0.553                      | - / 1.218                                                                     | 1 / 3.796                      | - / -                          | 1 / 5.567                      |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| To Complete                                                                                                                                            |            | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                         | - / -                          | - / -                          | - / -                          |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| Total                                                                                                                                                  |            | - / -                          | - / -                          | 2 / 8.769                      | 1 / 4.961                      | - / -                          | 1 / 4.961                      | 1 / 5.108                      | 1 / 5.259                      | 1 / 5.421                                                                     | 1 / 4.903                      | 1 / 3.796                      | 8 / 38.217                     |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| <b>Installation Schedule</b>                                                                                                                           |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
|                                                                                                                                                        | <b>PYS</b> | <b>FY 2014</b>                 |                                |                                |                                | <b>FY 2015</b>                 |                                |                                |                                | <b>FY 2016</b>                                                                |                                |                                |                                | <b>FY 2017</b> |                                     |           |           | <b>FY 2018</b> |           |                                                                |           | <b>FY 2019</b> |           |           |           | <b>FY 2020</b> |           |           |           | <b>TC</b> | <b>Tot</b> |   |   |
|                                                                                                                                                        |            | <b>Q1</b>                      | <b>Q2</b>                      | <b>Q3</b>                      | <b>Q4</b>                      | <b>Q1</b>                      | <b>Q2</b>                      | <b>Q3</b>                      | <b>Q4</b>                      | <b>Q1</b>                                                                     | <b>Q2</b>                      | <b>Q3</b>                      | <b>Q4</b>                      | <b>Q1</b>      | <b>Q2</b>                           | <b>Q3</b> | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b>                                                      | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> |           |            |   |   |
| In                                                                                                                                                     | -          | -                              | -                              | -                              | -                              | 1                              | -                              | 1                              | -                              | -                                                                             | -                              | -                              | 1                              | -              | -                                   | -         | 1         | -              | -         | -                                                              | -         | 1              | -         | 1         | -         | -              | -         | -         | -         | -         | 1          | 1 | 8 |
| Out                                                                                                                                                    | -          | -                              | -                              | -                              | -                              | -                              | -                              | 1                              | 1                              | -                                                                             | -                              | -                              | 1                              | -              | -                                   | -         | -         | -              | -         | 1                                                              | -         | -              | 1         | -         | -         | -              | -         | 1         | -         | -         | 2          | 8 |   |
| <b>Footnotes:</b>                                                                                                                                      |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |
| <sup>(22)</sup> Installs in FY15 are for systems procured in FY13 and FY14 (under BLI:5530). MK 53 system in FY15 will be from a decommissioned asset. |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                |                                     |           |           |                |           |                                                                |           |                |           |           |           |                |           |           |           |           |            |   |   |

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                                                        | Date: February 2015                                                                    |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment | Modification Number / Title:<br>5 / VV003 ENGINEERING CHANGES<br>AND LOGISTICS SUPPORT |

| Resource Summary                                                                                                                              | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|--------|
| Procurement Quantity <i>(Units in Each)</i>                                                                                                   | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                              | 0.000       | -       | 3.238   | 4.850        | -           | 4.850         | 4.748   | 4.461   | 3.810   | 3.826   | -           | 24.933 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                  | 0.000       | -       | 3.238   | 4.850        | -           | 4.850         | 4.748   | 4.461   | 3.810   | 3.826   | -           | 24.933 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                            | 0.000       | -       | 3.238   | 4.850        | -           | 4.850         | 4.748   | 4.461   | 3.810   | 3.826   | -           | 24.933 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |             |         |         |              |             |               |         |         |         |         |             |        |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                        | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                          | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |

**Description:**

[DLS ORDALT KITS] Funding will procure Engineering Change Proposals (ECPs)/ORDALT Kits to ensure future tactical suitability and viability of NULKA and to address obsolescence, quality assurance, reliability, safety, Electromagnetic Interference (EMI), and diminishing manufacturing source issues. Additionally, funding will provide for updating Logistics including decoy and special purpose test equipment maintenance, provisioning, transportation, and training school support as required.  
Installation of Ordalt 73014 (\$400K) is included for the DLPP (Decoy Launch Processor Program) 6\_3 upgrade and is included in Cost Code VVINS (Installation of Equipment).

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                           |                                           |                                           |                                                                               |                                           |                                           |                                           |                                           |                                           | <b>Date:</b> February 2015                                                                    |                                           |                                           |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 |                                           |                                           |                                           | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |                                           |                                           |                                           |                                           |                                           | <b>Modification Number / Title:</b><br>5 / VV003 ENGINEERING CHANGES<br>AND LOGISTICS SUPPORT |                                           |                                           |  |
| <b>Models of Systems Affected:</b> DLS/EMC ORDALT<br>KITS                       |                                           |                                           |                                           | <b>Modification Type:</b>                                                     |                                           |                                           |                                           |                                           |                                           | <b>Related RDT&amp;E PEs:</b>                                                                 |                                           |                                           |  |
| <b>Financial Plan</b>                                                           | <b>Prior Years</b>                        | <b>FY 2014</b>                            | <b>FY 2015</b>                            | <b>FY 2016<br/>Base</b>                                                       | <b>FY 2016<br/>OCO</b>                    | <b>FY 2016<br/>Total</b>                  | <b>FY 2017</b>                            | <b>FY 2018</b>                            | <b>FY 2019</b>                            | <b>FY 2020</b>                                                                                | <b>To<br/>Complete</b>                    | <b>Total</b>                              |  |
|                                                                                 | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i>                                     | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i>                                                     | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> |  |
| <b>Procurement</b>                                                              |                                           |                                           |                                           |                                                                               |                                           |                                           |                                           |                                           |                                           |                                                                                               |                                           |                                           |  |
| <i>Modification Item 1 of 1: N/A</i>                                            |                                           |                                           |                                           |                                                                               |                                           |                                           |                                           |                                           |                                           |                                                                                               |                                           |                                           |  |
| <i>Subtotal: N/A</i>                                                            | - / -                                     | - / -                                     | - / -                                     | - / -                                                                         | - / -                                     | - / -                                     | - / -                                     | - / -                                     | - / -                                     | - / -                                                                                         | - / -                                     | - / -                                     |  |
| <i>Subtotal: Procurement, All Modification Items</i>                            | - / -                                     | - / -                                     | - / -                                     | - / -                                                                         | - / -                                     | - / -                                     | - / -                                     | - / -                                     | - / -                                     | - / -                                                                                         | - / -                                     | - / -                                     |  |
| <b>Support (All Modification Items)</b>                                         |                                           |                                           |                                           |                                                                               |                                           |                                           |                                           |                                           |                                           |                                                                                               |                                           |                                           |  |
| 2.1) ENGINEERING CHANGES                                                        | - / -                                     | - / -                                     | - / -                                     | - / 1.258                                                                     | - / -                                     | - / 1.258                                 | - / 1.256                                 | - / 1.262                                 | - / 1.287                                 | - / 1.133                                                                                     | - / -                                     | - / 6.196                                 |  |
| 2.2) LOGISTICS/PRODUCTION SUPPORT                                               | - / -                                     | - / -                                     | - / 3.238                                 | - / 3.592                                                                     | - / -                                     | - / 3.592                                 | - / 3.492                                 | - / 3.199                                 | - / 2.523                                 | - / 2.693                                                                                     | - / -                                     | - / 18.737                                |  |
| <i>Subtotal: Support</i>                                                        | - / 0.000                                 | - / -                                     | - / 3.238                                 | - / 4.850                                                                     | - / -                                     | - / 4.850                                 | - / 4.748                                 | - / 4.461                                 | - / 3.810                                 | - / 3.826                                                                                     | - / -                                     | - / 24.933                                |  |
| <b>Installation</b>                                                             |                                           |                                           |                                           |                                                                               |                                           |                                           |                                           |                                           |                                           |                                                                                               |                                           |                                           |  |
| <i>Subtotal: Installation</i>                                                   | - / -                                     | - / -                                     | - / -                                     | - / -                                                                         | - / -                                     | - / -                                     | - / -                                     | - / -                                     | - / -                                     | - / -                                                                                         | - / -                                     | - / -                                     |  |
| <b>Total</b>                                                                    |                                           |                                           |                                           |                                                                               |                                           |                                           |                                           |                                           |                                           |                                                                                               |                                           |                                           |  |
| <b>Total Cost (Procurement + Support + Installation)</b>                        | <b>0.000</b>                              | <b>-</b>                                  | <b>3.238</b>                              | <b>4.850</b>                                                                  | <b>-</b>                                  | <b>4.850</b>                              | <b>4.748</b>                              | <b>4.461</b>                              | <b>3.810</b>                              | <b>3.826</b>                                                                                  | <b>-</b>                                  | <b>24.933</b>                             |  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                |                |                                                                               |                                           | <b>Date:</b> February 2015      |                                                                                               |                |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 |                |                | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |                                           |                                 | <b>Modification Number / Title:</b><br>5 / VV003 ENGINEERING CHANGES<br>AND LOGISTICS SUPPORT |                |
| <b>Modification Item 1 of 1:</b> N/A                                            |                |                |                                                                               |                                           |                                 |                                                                                               |                |
| <b>Manufacturer Information</b>                                                 |                |                |                                                                               |                                           |                                 |                                                                                               |                |
| Manufacturer Name: N/A                                                          |                |                |                                                                               | Manufacturer Location: N/A                |                                 |                                                                                               |                |
| Administrative Leadtime ( <i>in Months</i> ):                                   |                |                |                                                                               | Production Leadtime ( <i>in Months</i> ): |                                 |                                                                                               |                |
| <b>Dates</b>                                                                    | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016</b>                                                                | <b>FY 2017</b>                            | <b>FY 2018</b>                  | <b>FY 2019</b>                                                                                | <b>FY 2020</b> |
| Contract Dates                                                                  |                |                |                                                                               |                                           |                                 |                                                                                               |                |
| Delivery Dates                                                                  |                |                |                                                                               |                                           |                                 |                                                                                               |                |
| <b>Installation Information</b>                                                 |                |                |                                                                               |                                           |                                 |                                                                                               |                |
| <b>Method of Implementation (Organic):</b> Support Only Installation            |                |                |                                                                               |                                           | <b>Installation Quantity:</b> 0 |                                                                                               |                |
|                                                                                 |                |                |                                                                               |                                           |                                 |                                                                                               |                |

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                                                                                                                       |             |         |         |                                                                        |             |               |         |         | Date: February 2015                                      |         |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|------------------------------------------------------------------------|-------------|---------------|---------|---------|----------------------------------------------------------|---------|-------------|--------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3                                                                                                  |             |         |         | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment |             |               |         |         | Modification Number / Title:<br>6 / VV831 DLF-3B SYSTEMS |         |             |        |
| Resource Summary                                                                                                                                                          | Prior Years | FY 2014 | FY 2015 | FY 2016 Base                                                           | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019                                                  | FY 2020 | To Complete | Total  |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                                               | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                        | -       | -           | -      |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                                                          | 0.000       | -       | 21.546  | 1.895                                                                  | -           | 1.895         | 1.403   | -       | -                                                        | -       | 0.001       | 24.845 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                       | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                        | -       | -           | -      |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                                              | 0.000       | -       | 21.546  | 1.895                                                                  | -           | 1.895         | 1.403   | -       | -                                                        | -       | 0.001       | 24.845 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                       | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                        | -       | -           | -      |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                                                        | 0.000       | -       | 21.546  | 1.895                                                                  | -           | 1.895         | 1.403   | -       | -                                                        | -       | 0.001       | 24.845 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                    |             |         |         |                                                                        |             |               |         |         |                                                          |         |             |        |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                                                    | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                        | -       | -           | -      |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                                                      | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                        | -       | -           | -      |
| Description:<br>[DLF-3B SYSTEMS] Procurement of the commercially available DLF-3B decoy systems. A ship system consists of 6 decoys, 6 launch tubes, and 1 control panel. |             |         |         |                                                                        |             |               |         |         |                                                          |         |             |        |



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| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                |                                |                                |                                                                        |                                |                                |                                | Date: February 2015                                      |                                |                                |                                |                                |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                                |                                |                                | P-1 Line Item Number / Title:<br>5231 / Ship Missile Support Equipment |                                |                                |                                | Modification Number / Title:<br>6 / VV831 DLF-3B SYSTEMS |                                |                                |                                |                                |  |
| Models of Systems Affected: DLF-3B DECOY SYSTEMS                         |                                |                                |                                | Modification Type:                                                     |                                |                                |                                | Related RDT&E PEs:                                       |                                |                                |                                |                                |  |
| Financial Plan                                                           | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                                                           | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                                                  | FY 2019                        | FY 2020                        | To Complete                    | Total                          |  |
|                                                                          | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                         | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                           | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |  |
| Procurement                                                              |                                |                                |                                |                                                                        |                                |                                |                                |                                                          |                                |                                |                                |                                |  |
| Modification Item 1 of 1: VV831 DLF-3B SYSTEMS                           |                                |                                |                                |                                                                        |                                |                                |                                |                                                          |                                |                                |                                |                                |  |
| B Kits                                                                   |                                |                                |                                |                                                                        |                                |                                |                                |                                                          |                                |                                |                                |                                |  |
| Non-Recurring                                                            |                                |                                |                                |                                                                        |                                |                                |                                |                                                          |                                |                                |                                |                                |  |
| 1.1.1) DLF-3B SYSTEMS - NonOrganic                                       | - / -                          | 11 / -                         | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                    | - / -                          | - / -                          | - / 0.001                      | 11 / 0.001                     |  |
| Subtotal: Non-Recurring                                                  | - / 0.000                      | - / -                          | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                    | - / -                          | - / -                          | - / 0.001                      | - / 0.001                      |  |
| Subtotal: VV831 DLF-3B SYSTEMS                                           | - / -                          | 11 / -                         | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                    | - / -                          | - / -                          | - / 0.001                      | 11 / 0.001                     |  |
| Subtotal: Procurement, All Modification Items                            | - / 0.000                      | - / -                          | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                    | - / -                          | - / -                          | - / 0.001                      | - / 0.001                      |  |
| Installation                                                             |                                |                                |                                |                                                                        |                                |                                |                                |                                                          |                                |                                |                                |                                |  |
| Modification Item 1 of 1: VV831 DLF-3B SYSTEMS                           | - / 0.000                      | - / -                          | - / 21.546                     | - / 1.895                                                              | - / -                          | - / 1.895                      | - / 1.403                      | - / -                                                    | - / -                          | - / -                          | - / -                          | - / 24.844                     |  |
| Subtotal: Installation                                                   | - / 0.000                      | - / -                          | - / 21.546                     | - / 1.895                                                              | - / -                          | - / 1.895                      | - / 1.403                      | - / -                                                    | - / -                          | - / -                          | - / -                          | - / 24.844                     |  |
| Total                                                                    |                                |                                |                                |                                                                        |                                |                                |                                |                                                          |                                |                                |                                |                                |  |
| Total Cost (Procurement + Support + Installation)                        | 0.000                          | -                              | 21.546                         | 1.895                                                                  | -                              | 1.895                          | 1.403                          | -                                                        | -                              | -                              | 0.001                          | 24.845                         |  |
|                                                                          |                                |                                |                                |                                                                        |                                |                                |                                |                                                          |                                |                                |                                |                                |  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |  |                                                                               | <b>Date:</b> February 2015 |  |                                                                 |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 |  | <b>P-1 Line Item Number / Title:</b><br>5231 / Ship Missile Support Equipment |                            |  | <b>Modification Number / Title:</b><br>6 / VV831 DLF-3B SYSTEMS |

**Modification Item 1 of 1:** VV831 DLF-3B SYSTEMS

**Manufacturer Information**

|                                        |  |  |                                    |  |  |
|----------------------------------------|--|--|------------------------------------|--|--|
| Manufacturer Name: TBD                 |  |  | Manufacturer Location: TBD         |  |  |
| Administrative Leadtime (in Months): 0 |  |  | Production Leadtime (in Months): 0 |  |  |

| Dates          | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 |
|----------------|---------|---------|---------|---------|---------|---------|---------|
| Contract Dates |         |         |         |         |         |         |         |
| Delivery Dates |         |         |         |         |         |         |         |

**Installation Information**

**Method of Implementation:** AIT:: Installation Name: DLF-3B SYSTEMS

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2014           | - / -                          | - / -                          | 9 / 21.546                     | 1 / 1.895                      | - / -                          | 1 / 1.895                      | 1 / 1.403                      | - / -                          | - / -                          | - / -                          | - / -                          | 11 / 24.844                    |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | - / -                          | - / -                          | 9 / 21.546                     | 1 / 1.895                      | - / -                          | 1 / 1.895                      | 1 / 1.403                      | - / -                          | - / -                          | - / -                          | - / -                          | 11 / 24.844                    |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | -   | -       | -  | -  | -  | -       | 3  | 2  | 4  | -       | -  | 1  | -  | 1       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 11  |
| Out | -   | -       | -  | -  | -  | -       | 1  | 3  | 1  | 4       | -  | -  | 1  | -       | 1  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 11  |

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                |                                           |                     |                    |                      |                                                                |                                                 | <b>Date:</b> February 2015 |                |                    |                |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                |                                           |                     |                    |                      | <b>P-1 Line Item Number / Title:</b><br>5237 / NATO Seasparrow |                                                 |                            |                |                    |                |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                | <b>Program Elements for Code B Items:</b> |                     |                    |                      |                                                                | <b>Other Related Program Elements:</b> 0604756N |                            |                |                    |                |
| <b>Resource Summary</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b>                            | <b>FY 2016 Base</b> | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b>                                                 | <b>FY 2018</b>                                  | <b>FY 2019</b>             | <b>FY 2020</b> | <b>To Complete</b> | <b>Total</b>   |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                  | -              | -                                         | -                   | -                  | -                    | -                                                              | -                                               | -                          | -              | -                  | -              |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 127.829            | 58.368         | -                                         | -                   | -                  | -                    | -                                                              | -                                               | -                          | -              | -                  | 186.197        |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                  | -              | -                                         | -                   | -                  | -                    | -                                                              | -                                               | -                          | -              | -                  | -              |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 127.829            | 58.368         | -                                         | -                   | -                  | -                    | -                                                              | -                                               | -                          | -              | -                  | 186.197        |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                  | -              | -                                         | -                   | -                  | -                    | -                                                              | -                                               | -                          | -              | -                  | -              |
| <b>Total Obligation Authority</b> <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>127.829</b>     | <b>58.368</b>  | -                                         | -                   | -                  | -                    | -                                                              | -                                               | -                          | -              | -                  | <b>186.197</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                |                                           |                     |                    |                      |                                                                |                                                 |                            |                |                    |                |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                  | 0.536          | -                                         | -                   | -                  | -                    | -                                                              | -                                               | -                          | -              | -                  | 0.536          |
| Flyaway Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                  | -              | -                                         | -                   | -                  | -                    | -                                                              | -                                               | -                          | -              | -                  | -              |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                  | -              | -                                         | -                   | -                  | -                    | -                                                              | -                                               | -                          | -              | -                  | -              |
| <p><b>Description:</b></p> <p>The NATO SEASPARROW Surface Missile System (NSSMS) is a shipboard missile System. In addition to the standard mission of Anti-Air and Anti-Surface Defense (AAW, ASUW), NSSMS is designed to protect ship and crew from a variety of inbound threats, including Anti-Ship Cruise Missiles (ASCM), Fast Attack Craft/Fast Inshore Attack (FAC/FIAC), Low Velocity Air Threats (LVAT), and a wide range of asymmetrical threats (e.g. Unmanned Aerial and Surface vehicles, small Rigid Hull Inflatable Boats, etc.).</p> <p>Primary operations consist of acquiring targets either manually using radar search or Electro Optic/Infrared capability, or automatically via external or internal designations, generation of fire-control quality track data for engage ability determination, launcher control and missile initialization, queuing of other weapons (e.g. Rolling Airframe Missile) via the Ship Self Defense System (SSDS) or AN/SWY 3/5 Combat System, Rim-7H/M/P SEASPARROW missile and RIM-162D Evolved SEASPARROW Missile (ESSM) firing, target illumination for Missile Guidance and Visual Kill/Survive and Battle Damage Assessments.</p> <p>LHD Upgrade consists of upgrading the MK 29 Launcher to modernize the system on the LHD 8 from a NSSMS MK 57 Mod 10 to a Mod 12.</p> <p>STALKER Long Range Electro-Optic Sensor System is a modular, portable and form/fit replacement for the MK 6 Low Light Level Television (LLLTV) mounted on NSSMS radar director (stabilized platform) providing 360 degree coverage satisfying ROE. It is able to detect, classify, ID, &amp; assist in intent determination supporting "24/7" NAV, INTEL &amp; AT/FP in addition to SUW, AAW and ASMD.</p> <p>NSSMS Objective Configuration Phase 2 (OCP2) program consists of segmenting the MK 9 Track Illuminator System (TIS) to interface directly with the SSDS Combat System, as well eliminating all MK 57 watch stations. This watch station elimination dramatically reduces system life cycle costs for hardware, software, manning, training and maintenance and obsolescence requirements, also allowing the Navy to divest of RIM-7 and associated infrastructure.</p> <p>Equipment procurements that support both the NSSMS MK57 Mod 12 and OCP2 consists of the Transmitter Upgrade (SSTX) and ESSM ORDALT. Included in the procurements are the Integrated Radar Processor (IRP) and System Launcher Controller (SLC). Mk57 NSSMS has been updated over time to keep pace with the evolving Fleet threats. The NSSMS Mk57 Mod (14) replaces the legacy NSSMS Mk57 Mod 2 aboard LHDs 1-6, which includes replacing RIM 7 with ESSM. This NSSMS update, along with the SSDS Mk2 MOD (3C) replacement of the Advanced Combat Direction System (ACDS), provides a significant improvement self defense capability for LHDs (CAPSTONE upgrade).</p> |                    |                |                                           |                     |                    |                      |                                                                |                                                 |                            |                |                    |                |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                     |                                    | Date: February 2015                                            |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3:<br>Ship Missile Systems Equipment |                                    | <b>P-1 Line Item Number / Title:</b><br>5237 / NATO Seasparrow |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                             | Program Elements for Code B Items: | Other Related Program Elements: 0604756N                       |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|--------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                 |                   |              |                                                  |                                                  |                                                                |                                                  | <b>Date:</b> February 2015                       |                                                  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment                                                                       |                   |              |                                                  |                                                  | <b>P-1 Line Item Number / Title:</b><br>5237 / NATO Seasparrow |                                                  |                                                  |                                                  |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                         |                   |              | <b>Program Elements for Code B Items:</b>        |                                                  |                                                                | <b>Other Related Program Elements:</b> 0604756N  |                                                  |                                                  |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                          |                   |              | <b>Prior Years</b>                               | <b>FY 2014</b>                                   | <b>FY 2015</b>                                                 | <b>FY 2016 Base</b>                              | <b>FY 2016 OCO</b>                               | <b>FY 2016 Total</b>                             |
| <b>Title*</b>                                                                                                                                                                                                                                     | <b>Exhibits</b>   | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>               | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| NATO SEASPARROW                                                                                                                                                                                                                                   | P-40a, P-5a, P-21 |              | - / 8.283                                        | - / 41.262                                       | - / -                                                          | - / -                                            | - / -                                            | - / -                                            |
| 1 / NSSMS MK 57 (NSSMS MK 57 Mod 10 to Mod 12 /Objective Configuration Phase 2 (OCP2))                                                                                                                                                            | P-3a              |              | - / 119.546                                      | - / 17.106                                       | - / -                                                          | - / -                                            | - / -                                            | - / -                                            |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                             |                   |              | <b>- / 127.829</b>                               | <b>- / 58.368</b>                                | <b>- / -</b>                                                   | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / -</b>                                     |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                          |                   |              | <b>FY 2017</b>                                   | <b>FY 2018</b>                                   | <b>FY 2019</b>                                                 | <b>FY 2020</b>                                   | <b>To Complete</b>                               | <b>Total</b>                                     |
| <b>Title*</b>                                                                                                                                                                                                                                     | <b>Exhibits</b>   | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>               | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| NATO SEASPARROW                                                                                                                                                                                                                                   | P-40a, P-5a, P-21 |              | - / -                                            | - / -                                            | - / -                                                          | - / -                                            | - / -                                            | - / -                                            |
| 1 / NSSMS MK 57 (NSSMS MK 57 Mod 10 to Mod 12 /Objective Configuration Phase 2 (OCP2))                                                                                                                                                            | P-3a              |              | - / -                                            | - / -                                            | - / -                                                          | - / -                                            | - / -                                            | - / 136.652                                      |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                             |                   |              | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / -</b>                                                   | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / 186.197</b>                               |
| *Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown. |                   |              |                                                  |                                                  |                                                                |                                                  |                                                  |                                                  |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.                                                                                                                                                                    |                   |              |                                                  |                                                  |                                                                |                                                  |                                                  |                                                  |
| <b>Justification:</b><br>Funding for the NATO SEASPARROW program has been moved to Other Procurement, Navy (OPN) line item 5231, Ship Missile Support Equipment, beginning in FY 2015.                                                            |                   |              |                                                  |                                                  |                                                                |                                                  |                                                  |                                                  |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                |  |  |  |  |  |  | <b>Date:</b> February 2015                        |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5237 / NATO Seasparrow |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>NATO SEASPARROW |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                       | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|---------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                   |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) EQUIPMENT MODERNIZATION - US005                |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) OBJECTIVE CONFIGURATION ENGINEERING          | A     |                | -              | -          | -                 | -              | -          | 6.000             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 1.3) PRODUCTION SUPPORT                           | A     |                | -              | -          | 0.896             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 1.4) MK 9 IMPROVEMENTS                            | A     |                | -              | -          | 2.800             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 1.5) LHD UPGRADE                                  | A     |                | -              | -          | 4.537             | -              | -          | 12.298            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 1) EQUIPMENT MODERNIZATION - US005      |       |                | -              | -          | 8.233             | -              | -          | 18.298            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 2) STALKER - US005                                |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) STALKER <sup>(†)</sup>                       | A     |                | -              | -          | -                 | 1,361K         | 13         | 17.694            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 2.2) ISS SPARE HARDWARE <sup>(†)</sup>            | A     |                | -              | -          | -                 | -              | -          | 3.610             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 2.3) STALKER PRODUCTION SUPPORT                   | A     |                | -              | -          | -                 | -              | -          | 1.660             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 2) STALKER - US005                      |       |                | -              | -          | 0.000             | -              | -          | 22.964            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 3) WAXX ACQUISITION WORKFORCE FUND 2009           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 3.1) ACQUISITION WORKFORCE FUND                   | A     |                | -              | -          | 0.050             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 3) WAXX ACQUISITION WORKFORCE FUND 2009 |       |                | -              | -          | 0.050             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Total                                             |       |                | -              | -          | 8.283             | -              | -          | 41.262            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |

| Item Number / Title [DODIC]              | ID CD | MDAP/ MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|------------------------------------------|-------|-----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                          |       |                 | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) EQUIPMENT MODERNIZATION - US005       |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) OBJECTIVE CONFIGURATION ENGINEERING | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.3) PRODUCTION SUPPORT                  | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.4) MK 9 IMPROVEMENTS                   | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                |  |  |  |  |  |  | <b>Date:</b> February 2015                        |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5237 / NATO Seasparrow |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>NATO SEASPARROW |  |  |  |  |

| Item Number / Title [DODIC]                       | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|---------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                   |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1.5) LHD UPGRADE                                  | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 1) EQUIPMENT MODERNIZATION - US005      |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 2) STALKER - US005                                |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) STALKER <sup>(†)</sup>                       | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 2.2) ISS SPARE HARDWARE <sup>(†)</sup>            | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 2.3) STALKER PRODUCTION SUPPORT                   | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 2) STALKER - US005                      |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 3) WAXX ACQUISITION WORKFORCE FUND 2009           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 3.1) ACQUISITION WORKFORCE FUND                   | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 3) WAXX ACQUISITION WORKFORCE FUND 2009 |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Total                                             |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |

(†) indicates the presence of a P-5a

**Footnotes:**

(1) Cost element procures spare hardware to support Stalkers

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|                                                                          |     |      |                         |                                                         |                 |               |                              |                      |                                      |                        |                               |                      |
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| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy             |     |      |                         |                                                         |                 |               |                              |                      | Date: February 2015                  |                        |                               |                      |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |     |      |                         | P-1 Line Item Number / Title:<br>5237 / NATO Seasparrow |                 |               |                              |                      | Aggregated Items:<br>NATO SEASPARROW |                        |                               |                      |
| Item Number / Title [DODIC]                                              | OCO | FY   | Contractor and Location | Method/Type<br>or<br>Funding Vehicle                    | Location of PCO | Award<br>Date | Date<br>of First<br>Delivery | Qty<br><i>(Each)</i> | Unit Cost<br><i>(\$)</i>             | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |
| 2) STALKER - US005                                                       |     |      |                         |                                                         |                 |               |                              |                      |                                      |                        |                               |                      |
| 2.1) STALKER <sup>(†)</sup>                                              |     | 2014 | BALL / Boulder, CO      | C / FFP                                                 | NVSEA           | Jul 2014      | Jul 2015                     | 13                   | 1,361K                               | Y                      |                               | Sep 2012             |
| <sup>(†)</sup> indicates the presence of a P-21                          |     |      |                         |                                                         |                 |               |                              |                      |                                      |                        |                               |                      |



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|--------------------------------------------------------------------------|------------------|------|---------|-------------------|----------------------------------------|------------------------------|--------------------|-------------|-------------|---------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------|-------------|-------------|--------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|---|
| Exhibit P-21, Production Schedule: PB 2016 Navy                          |                  |      |         |                   |                                        |                              |                    |             |             |                                                         |             |             |             |             |             |             |                    |             |             | Date: February 2015                  |             |             |             |             |             |             |             |             |             |             |             |  |   |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                  |      |         |                   |                                        |                              |                    |             |             | P-1 Line Item Number / Title:<br>5237 / NATO Seasparrow |             |             |             |             |             |             |                    |             |             | Aggregated Items:<br>NATO SEASPARROW |             |             |             |             |             |             |             |             |             |             |             |  |   |
| Items<br>(Units in Each)                                                 |                  |      |         |                   |                                        |                              | Fiscal Year 2014   |             |             |                                                         |             |             |             |             |             |             | Fiscal Year 2015   |             |             |                                      |             |             |             |             |             |             |             |             |             |             |             |  |   |
| O<br>C<br>O                                                              | M<br>F<br>R<br># | FY   | SERVICE | PROC<br>QTY       | ACCEPT<br>PRIOR<br>TO 1<br>OCT<br>2013 | BAL<br>DUE<br>AS OF<br>1 OCT | Calendar Year 2014 |             |             |                                                         |             |             |             |             |             |             | Calendar Year 2015 |             |             |                                      |             |             |             |             |             |             |             |             |             |             |             |  |   |
|                                                                          |                  |      |         |                   |                                        |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                             | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G        | S<br>E<br>P | O<br>C<br>T | N<br>O<br>V                          | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |  |   |
| 2) STALKER - US005                                                       |                  |      |         |                   |                                        |                              |                    |             |             |                                                         |             |             |             |             |             |             |                    |             |             |                                      |             |             |             |             |             |             |             |             |             |             |             |  |   |
| 2.1) STALKER                                                             |                  |      |         |                   |                                        |                              |                    |             |             |                                                         |             |             |             |             |             |             |                    |             |             |                                      |             |             |             |             |             |             |             |             |             |             |             |  |   |
|                                                                          | 1                | 2014 | NAVY    | 13 <sup>(2)</sup> | -                                      | 13                           |                    |             |             |                                                         |             |             |             |             |             | A           | -                  | -           | -           | -                                    | -           | -           | -           | -           | -           | -           | -           | -           | -           | 13          |             |  | - |
|                                                                          |                  |      |         |                   |                                        |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                             | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G        | S<br>E<br>P | O<br>C<br>T | N<br>O<br>V                          | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |  |   |

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| Exhibit P-21, Production Schedule: PB 2016 Navy                          |                     |                                |                |              |                                                         |                    |         |                      | Date: February 2015                  |                    |         |                      |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                     |                                |                |              | P-1 Line Item Number / Title:<br>5237 / NATO Seasparrow |                    |         |                      | Aggregated Items:<br>NATO SEASPARROW |                    |         |                      |
|                                                                          |                     | Production Rates (Each / Year) |                |              | Procurement Leadtime (Months)                           |                    |         |                      |                                      |                    |         |                      |
| MFR<br>Ref<br>#                                                          | MFR Name - Location | MSR For 2016                   | 1-8-5 For 2016 | MAX For 2016 | Initial                                                 |                    |         |                      | Reorder                              |                    |         |                      |
|                                                                          |                     |                                |                |              | ALT<br>Prior to Oct 1                                   | ALT<br>After Oct 1 | Mfg PLT | Total<br>After Oct 1 | ALT<br>Prior to Oct 1                | ALT<br>After Oct 1 | Mfg PLT | Total<br>After Oct 1 |
| 1                                                                        | BALL - Boulder, CO  | 2                              | 7              | 24           | 2                                                       | 2                  | 9       | 11                   | 2                                    | 2                  | 9       | 11                   |

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

**Footnotes:**

<sup>(2)</sup> This PE transferred to 5231 FY 15 and out.

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|                                                                                 |                                                                |                                                        |
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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                | <b>Date:</b> February 2015                             |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5237 / NATO Seasparrow | <b>Modification Number / Title:</b><br>1 / NSSMS MK 57 |

| <b>Resource Summary</b>                                                                                                                       | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016 Base</b> | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b> | <b>FY 2018</b> | <b>FY 2019</b> | <b>FY 2020</b> | <b>To Complete</b> | <b>Total</b>   |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity ( <i>Units in Each</i> )                                                                                                 | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -              |
| Gross/Weapon System Cost ( <i>\$ in Millions</i> )                                                                                            | 119.546            | 17.106         | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | 136.652        |
| Less PY Advance Procurement ( <i>\$ in Millions</i> )                                                                                         | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -              |
| Net Procurement (P1) ( <i>\$ in Millions</i> )                                                                                                | 119.546            | 17.106         | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | 136.652        |
| Plus CY Advance Procurement ( <i>\$ in Millions</i> )                                                                                         | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -              |
| <b>Total Obligation Authority (<i>\$ in Millions</i>)</b>                                                                                     | <b>119.546</b>     | <b>17.106</b>  | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | <b>136.652</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |                    |                |                |                     |                    |                      |                |                |                |                |                    |                |
| Initial Spares ( <i>\$ in Millions</i> )                                                                                                      | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -              |
| Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )                                                                                        | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -              |

**Description:**

[TRANSMITTER UPGRADE (SSTX)] The MK 91 NATO SEASPARROW Re-Architecture Program will integrate NSSMS into SSDS MK 2 architecture to provide an additional layer of ship missile defense. The upgrade will eliminate the analog point to point architecture and other deficiencies resident to the existing MK 57 NSSMS, as well as allow for full exploitation of ESSM. In addition to the reduction in manning realized by RNSSMS, the SSTx Ordnance Alteration (ORDALT) will reduce NSSMS Cost of Ownership for the fleet. The FY13 funding allocation on the SSTx funding line will support Mk9 improvements/modernization being driven by the FY12 SSDS combat system wholeness FRB/FLCIP initiate. Production lead time for SSTx upgrade kits is 24 months. Once completed the kits are sent to Raytheon Technical Services Company (RTSC) where existing cabinets are overhauled/upgraded. This process takes another 12 months. Total time to produce an upgraded SSTx is 36 months.

[ESSM ORDALT] The objective of this ORDALT is a cost-effective solution to protect CVNs IAW the Navy's Maritime Force Protection (MFP) program for ships self defense against the future threat of evolving ASCMs. The Navy's MFP plan calls for these platforms to carry ESSM to provide the required Probability of Raid Annihilation (PRA). The ESSM ORDALT to the GMLS MK 29 provides a low cost modification to the current trainable launcher. In conjunction with ESSM, this modification will meet performance requirements for all cited ship classes through the mid-term scenario as defined in the CAPSTONE requirements and the 1999 Report to Congress.

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                |                                |                                                                                          |                                |                                |                                |                                | Date: February 2015                             |                                |                                |                                |                                |  |
|--------------------------------------------------------------------------|--------------------------------|--------------------------------|------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                                |                                | P-1 Line Item Number / Title:<br>5237 / NATO Seasparrow                                  |                                |                                |                                |                                | Modification Number / Title:<br>1 / NSSMS MK 57 |                                |                                |                                |                                |  |
| Models of Systems Affected: NSSMS MK57                                   |                                |                                | Modification Type: NSSMS MK 57 Mod 10 to Mod 12 / Objective Configuration Phase 2 (OCP2) |                                |                                |                                |                                | Related RDT&E PEs:                              |                                |                                |                                |                                |  |
| Financial Plan                                                           | Prior Years                    | FY 2014                        | FY 2015                                                                                  | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                                         | FY 2019                        | FY 2020                        | To Complete                    | Total                          |  |
|                                                                          | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                                           | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                  | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |  |
| Procurement                                                              |                                |                                |                                                                                          |                                |                                |                                |                                |                                                 |                                |                                |                                |                                |  |
| Modification Item 1 of 1: NSSMS MK 57                                    |                                |                                |                                                                                          |                                |                                |                                |                                |                                                 |                                |                                |                                |                                |  |
| A Kits                                                                   |                                |                                |                                                                                          |                                |                                |                                |                                |                                                 |                                |                                |                                |                                |  |
| Non-Recurring                                                            |                                |                                |                                                                                          |                                |                                |                                |                                |                                                 |                                |                                |                                |                                |  |
| 1.1.1) TRANSMITTER UPGRADE (SSTX) - Organic <sup>(3)</sup>               | 5 / 13.411                     | 2 / 7.392                      | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | 7 / 20.803                     |  |
| 1.1.2) INTEGRATED RADAR PROCESSOR (IRP) - Organic                        | 4 / 6.400                      | 2 / 2.246                      | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | 6 / 8.646                      |  |
| 1.1.3) MK 91 UPGRADE MOD 10/11/12/13 - Organic                           | - / 8.676                      | - / -                          | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | - / 8.676                      |  |
| 1.1.4) TEST SUPPORT - Organic                                            | - / 1.504                      | - / 0.025                      | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | - / 1.529                      |  |
| 1.1.5) COTS OBSOLESCENCE - Organic                                       | - / 2.862                      | - / 0.201                      | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | - / 3.063                      |  |
| 1.1.6) ECP'S - Organic                                                   | - / 9.274                      | - / 0.025                      | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | - / 9.299                      |  |
| Subtotal: Non-Recurring                                                  | - / 42.127                     | - / 9.889                      | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | - / 52.016                     |  |
| B Kits                                                                   |                                |                                |                                                                                          |                                |                                |                                |                                |                                                 |                                |                                |                                |                                |  |
| Non-Recurring                                                            |                                |                                |                                                                                          |                                |                                |                                |                                |                                                 |                                |                                |                                |                                |  |
| 2.1.1) ESSM ORDALT - Organic <sup>(4)</sup>                              | 8 / 7.464                      | 2 / 2.451                      | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | 10 / 9.915                     |  |
| 2.1.2) SYSTEM LAUNCHER/CONTROLLER (SLC) - NonOrganic - Organic           | 4 / 9.999                      | 2 / 2.265                      | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | 6 / 12.264                     |  |
| 2.1.3) TEST SUPPORT - Organic                                            | - / 0.375                      | - / 0.025                      | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | - / 0.400                      |  |
| 2.1.4) ECP'S - Organic                                                   | - / 2.357                      | - / 0.236                      | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | - / 2.593                      |  |
| 2.1.5) MK 29 ORDALT INSTALL - Organic                                    | - / 13.864                     | - / -                          | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | - / 13.864                     |  |
| 2.1.6) TRAINING - Organic                                                | - / 2.047                      | - / -                          | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | - / 2.047                      |  |
| Subtotal: Non-Recurring                                                  | - / 36.106                     | - / 4.977                      | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | - / 41.083                     |  |
| Subtotal: NSSMS MK 57                                                    | 21 / 78.233                    | 8 / 14.866                     | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | 29 / 93.099                    |  |
| Subtotal: Procurement, All Modification Items                            | - / 78.233                     | - / 14.866                     | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | - / 93.099                     |  |
| Support (All Modification Items)                                         |                                |                                |                                                                                          |                                |                                |                                |                                |                                                 |                                |                                |                                |                                |  |
| 3.1) ESSM ORDALT Support                                                 | - / 4.776                      | - / 0.875                      | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | - / 5.651                      |  |
| 4.1) MK 57 NATO SEASPARROW                                               | - / 36.537                     | - / 1.365                      | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | - / 37.902                     |  |
| Subtotal: Support                                                        | - / 41.313                     | - / 2.240                      | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | - / 43.553                     |  |
| Installation                                                             |                                |                                |                                                                                          |                                |                                |                                |                                |                                                 |                                |                                |                                |                                |  |
| Subtotal: Installation                                                   | - / -                          | - / -                          | - / -                                                                                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                           | - / -                          | - / -                          | - / -                          | - / -                          |  |
| Total                                                                    |                                |                                |                                                                                          |                                |                                |                                |                                |                                                 |                                |                                |                                |                                |  |
| Total Cost (Procurement + Support + Installation)                        | 119.546                        | 17.106                         | -                                                                                        | -                              | -                              | -                              | -                              | -                                               | -                              | -                              | -                              | 136.652                        |  |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------------------------------------------------------|---------------------------------------------|----------------------------------|--------------------------------------------------------|----------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                |                                                                |                                             | <b>Date:</b> February 2015       |                                                        |                |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                | <b>P-1 Line Item Number / Title:</b><br>5237 / NATO Seasparrow |                                             |                                  | <b>Modification Number / Title:</b><br>1 / NSSMS MK 57 |                |
| <b>Modification Item 1 of 1:</b> NSSMS MK 57                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                |                                                                |                                             |                                  |                                                        |                |
| <b>Manufacturer Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                |                                                                |                                             |                                  |                                                        |                |
| Manufacturer Name: Raytheon <sup>(5)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                |                                                                | Manufacturer Location: Ports,RI             |                                  |                                                        |                |
| Administrative Leadtime <i>(in Months)</i> : 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                                                                | Production Leadtime <i>(in Months)</i> : 21 |                                  |                                                        |                |
| <b>Dates</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016</b>                                                 | <b>FY 2017</b>                              | <b>FY 2018</b>                   | <b>FY 2019</b>                                         | <b>FY 2020</b> |
| Contract Dates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Oct 2014       |                |                                                                |                                             |                                  |                                                        |                |
| Delivery Dates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Sep 2016       |                |                                                                |                                             |                                  |                                                        |                |
| <b>Installation Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                |                                                                |                                             |                                  |                                                        |                |
| <b>Method of Implementation (Organic):</b> Not Installed - TRANSMITTER UPGRADE (SSTX)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                |                                             | <b>Installation Quantity:</b> 7  |                                                        |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                |                                                                |                                             |                                  |                                                        |                |
| <b>Method of Implementation (Organic):</b> Organic - INTEGRATED RADAR PROCESSOR (IRP)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                                                                |                                             | <b>Installation Quantity:</b> 6  |                                                        |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                |                                                                |                                             |                                  |                                                        |                |
| <b>Method of Implementation (Organic):</b> Not Installed - ESSM ORDALT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                |                                                                |                                             | <b>Installation Quantity:</b> 10 |                                                        |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                |                                                                |                                             |                                  |                                                        |                |
| <b>Method of Implementation (Organic):</b> Organic - SYSTEM LAUNCHER/CONTROLLER (SLC) - NonOrganic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                                                                |                                             | <b>Installation Quantity:</b> 6  |                                                        |                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                |                                                                |                                             |                                  |                                                        |                |
| <b>Footnotes:</b><br><sup>(3)</sup> 1 set of Mk9 improvements/modernization related qualification hardware and associated engineering efforts will be procured in FY 13 but will not be installed shipboard. The Transmitter group consists of 2 transmitters and 2 IRPs. Production lead time for IRPs is 17 months and 36 months for the transmitters, which included 24 months production time for the kits and 12 months to install the kits. Shipboard installation will be completed at the end of the 36 month period. SSTXs are currently installed on three of the six LHD 1 Class ships. These ships only require a IRP, SLC and ESSM ORDALT.<br><sup>(4)</sup> The ESSM group consists of 2 ESSM Ordalts and 2 System Launcher/Controllers (SLCs). The ESSM Group will be installed with the Transmitter group as one system for installations in FY 17, FY 19 and FY 21.<br><sup>(5)</sup> Delivered transmitters kits are sent to RTSC where existing cabinets are overhauled/upgraded with transmitter production kits. This process takes another 12 months until available for install in ship. Total time to produce an upgraded SSTx is 36 months. |                |                |                                                                |                                             |                                  |                                                        |                |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|------------------------------------|--------------|-------------|--------------------------------------------------|---------|---------------------------------|---------|---------|-------------|---------|
| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |         |                                    |              |             |                                                  |         | Date: February 2015             |         |         |             |         |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |         |                                    |              |             | P-1 Line Item Number / Title:<br>5238 / RAM GMLS |         |                                 |         |         |             |         |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |         | Program Elements for Code B Items: |              |             |                                                  |         | Other Related Program Elements: |         |         |             |         |
| Resource Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Prior Years | FY 2014 | FY 2015                            | FY 2016 Base | FY 2016 OCO | FY 2016 Total                                    | FY 2017 | FY 2018                         | FY 2019 | FY 2020 | To Complete | Total   |
| Procurement Quantity (Units in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -           | -       | -                                  | -            | -           | -                                                | -       | -                               | -       | -       | -           | -       |
| Gross/Weapon System Cost (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 665.057     | 0.491   | -                                  | -            | -           | -                                                | -       | -                               | -       | -       | -           | 665.548 |
| Less PY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -           | -       | -                                  | -            | -           | -                                                | -       | -                               | -       | -       | -           | -       |
| Net Procurement (P1) (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 665.057     | 0.491   | -                                  | -            | -           | -                                                | -       | -                               | -       | -       | -           | 665.548 |
| Plus CY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -           | -       | -                                  | -            | -           | -                                                | -       | -                               | -       | -       | -           | -       |
| Total Obligation Authority (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 665.057     | 0.491   | -                                  | -            | -           | -                                                | -       | -                               | -       | -       | -           | 665.548 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |         |                                    |              |             |                                                  |         |                                 |         |         |             |         |
| Initial Spares (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -           | -       | -                                  | -            | -           | -                                                | -       | -                               | -       | -       | -           | -       |
| Flyaway Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -           | -       | -                                  | -            | -           | -                                                | -       | -                               | -       | -       | -           | -       |
| Gross/Weapon System Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -           | -       | -                                  | -            | -           | -                                                | -       | -                               | -       | -       | -           | -       |
| Description:<br>Rolling Airframe Missile (RAM) - MK-49 Guided Missile Launching System (GMLS): RAM is a cooperative program with the Federal Republic of Germany, produced under a series of production MOUs/MOAs (the latest was signed on 19 March 2013) executed between the U.S. and the Federal Republic of Germany.<br><br>The MK-31 Guided Missile Weapon System (GMWS) is a lightweight, quick-reaction, high firepower missile system designed to provide anti-ship missile defense. The system is comprised of an MK-44 Guided Missile Round Pack (GMRP) and the MK-49 GMLS, which holds 21 RAM missiles. The 21-round launcher is compatible with various platforms ranging from large USN aircraft carriers to Littoral Combat Ships (LCS). This system is designed to counter high density, anti-ship cruise missile raids and provide for ship survivability with accurate terminal guidance, proven lethality, and no fire control illumination dependence.<br><br>[P40A / UR006 RAM MK-49 GMLS]: Provides for the annual/multi-year procurement of RAM MK 49 Launchers, 11-Round Launchers, and ECPs.<br><br>[P40A / UR006 RAM MK-49 GMLS Ethernet Interface Upgrade]: RAM ECP funds the Ethernet upgrade which provides replacement of the Legacy FDDI Combat System interface with an Ethernet Combat System interface. The Ethernet interface is required for the RAM launcher to operate the SSDS MK Capstone Combat System. This upgrade will allow RAM to operate on LHD class ships that have been upgraded with Capstone SSDS MK2 Combat Systems. LHD self defense will suffer without RAM integration as these ships will be unable to fire either RAM Block 1 or RAM Block 2 missiles.<br><br>[P40A / UR007 RAM GMLS Production Support]: Provides for GMLS production support. FY12 and FY13 Production support funds include efforts to ensure Ethernet interface availability to support SSDS Lite (LHD 1) Installation. FY14 provides production support, systems engineering, logistics, SCDs, and ship drawings for ORDALT instructions.<br><br>[P40A / UR777 RAM Engineering Services Contractor]: Provides for systems engineering, design agent services, and integration.<br><br>[P40A / UR900 RAM - CSS]: Provides for engineering and professional support services.<br><br>[P40A / URCA3 RAM MK-49 MOD 3 Launcher (Congressional Add)]: Provides for Congressional Add for RAM MK 49 Mod 3 Launcher Obsolescence/Affordability in FY10.<br><br>[P40A / WAXXX Acquisition Workforce Fund - 2009]: Acquisition Workforce Fund<br><br>[P40A / UR5IN Install of Equipment (FMP)]: Provides for installation of RAM GMLS MK-49 Launchers. |             |         |                                    |              |             |                                                  |         |                                 |         |         |             |         |

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           | <b>Date:</b> February 2015                              |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3:<br>Ship Missile Systems Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           | <b>P-1 Line Item Number / Title:</b><br>5238 / RAM GMLS |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Program Elements for Code B Items:</b> | <b>Other Related Program Elements:</b>                  |
| <p>[P40A / UR901 Systems Improvement]: Provides for procurement and installation of critical RAM system improvement and safety ORDALTs</p> <p>[P3A / UR006 RAM MK-49 GMLS ORDALTS]: Procurement of RAM MK 49 GMLS ORDALTS. ORDALT procurement are to accomodate Amphibious AAW Self-Defense Probability of Raid Annihilation (Pra) Improvements. Without these improvements the RAM Systems will only be able to be fired in Manual Mode.</p> <p>[P3A - 2 / UR6IN NON-FMP Install]: Cost code is for the MK 49 GMLS ORDALT installations. ORDALT installations are to accomodate Amphibious AAW Self-Defense Probability of Raid Annihilation (Pra) Improvements. Without these improvements the RAM System would not be integrated into the Combat System and will only be able to be fired in Manual Mode</p> |                                           |                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                                         |



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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|--------------------------------------------------|--------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                 |                 |              |                                                  |                                                  |                                                         |                                                  | <b>Date:</b> February 2015                       |                                                  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment                                                                       |                 |              |                                                  |                                                  | <b>P-1 Line Item Number / Title:</b><br>5238 / RAM GMLS |                                                  |                                                  |                                                  |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                         |                 |              | <b>Program Elements for Code B Items:</b>        |                                                  |                                                         | <b>Other Related Program Elements:</b>           |                                                  |                                                  |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                          |                 |              | <b>Prior Years</b>                               | <b>FY 2014</b>                                   | <b>FY 2015</b>                                          | <b>FY 2016 Base</b>                              | <b>FY 2016 OCO</b>                               | <b>FY 2016 Total</b>                             |
| <b>Title*</b>                                                                                                                                                                                                                                     | <b>Exhibits</b> | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>        | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| RAM GMLS                                                                                                                                                                                                                                          | P-40a           |              | - / 617.713                                      | - / -                                            | - / -                                                   | - / -                                            | - / -                                            | - / -                                            |
| 1 / UR006 RAM MK-49 GMLS ORDALTS (Shipyard/AIT)                                                                                                                                                                                                   | P-3a            |              | - / 46.838                                       | - / -                                            | - / -                                                   | - / -                                            | - / -                                            | - / -                                            |
| 2 / UR6IN NON-FMP Install (NON-FMP Install)                                                                                                                                                                                                       | P-3a            |              | - / 0.506                                        | - / 0.491                                        | - / -                                                   | - / -                                            | - / -                                            | - / -                                            |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                             |                 |              | <b>- / 665.057</b>                               | <b>- / 0.491</b>                                 | <b>- / -</b>                                            | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / -</b>                                     |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                          |                 |              | <b>FY 2017</b>                                   | <b>FY 2018</b>                                   | <b>FY 2019</b>                                          | <b>FY 2020</b>                                   | <b>To Complete</b>                               | <b>Total</b>                                     |
| <b>Title*</b>                                                                                                                                                                                                                                     | <b>Exhibits</b> | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>        | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| RAM GMLS                                                                                                                                                                                                                                          | P-40a           |              | - / -                                            | - / -                                            | - / -                                                   | - / -                                            | - / -                                            | - / -                                            |
| 1 / UR006 RAM MK-49 GMLS ORDALTS (Shipyard/AIT)                                                                                                                                                                                                   | P-3a            |              | - / -                                            | - / -                                            | - / -                                                   | - / -                                            | - / -                                            | - / 46.838                                       |
| 2 / UR6IN NON-FMP Install (NON-FMP Install)                                                                                                                                                                                                       | P-3a            |              | - / -                                            | - / -                                            | - / -                                                   | - / -                                            | - / -                                            | - / 0.997                                        |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                             |                 |              | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / -</b>                                            | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / 665.548</b>                               |
| *Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown. |                 |              |                                                  |                                                  |                                                         |                                                  |                                                  |                                                  |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.                                                                                                                                                                    |                 |              |                                                  |                                                  |                                                         |                                                  |                                                  |                                                  |

**Justification:**

Funding for the RAM GMLS program has been re-allocated and moved to Other Procurement, Navy (OPN) line item 5231, Ship Missile Support Equipment, beginning in FY 2015.

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy               |       |                |                |            |                   |                                                  |            |                   |                |            |                   |                |            | Date: February 2015                 |                |            |                   |                |            |                   |
|-------------------------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|--------------------------------------------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------------------------|----------------|------------|-------------------|----------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3                  |       |                |                |            |                   | P-1 Line Item Number / Title:<br>5238 / RAM GMLS |            |                   |                |            |                   |                |            | Aggregated Items Title:<br>RAM GMLS |                |            |                   |                |            |                   |
| Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding. |       |                |                |            |                   |                                                  |            |                   |                |            |                   |                |            |                                     |                |            |                   |                |            |                   |
| Item Number / Title [DODIC]                                                               | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014                                          |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                                     | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|                                                                                           |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                   | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M)                   | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) UR006 RAM MK-49 GMLS                                                                   |       |                |                |            |                   |                                                  |            |                   |                |            |                   |                |            |                                     |                |            |                   |                |            |                   |
| 1.1) UR006 RAM MK-49 GMLS Annual Procurement                                              | A     |                | -              | -          | 274.239           | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                                   | -              | -          | -                 | -              | -          |                   |
| 1.2) UR006 RAM MK-49 GMLS Multiyear                                                       | A     |                | -              | -          | 67.160            | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                                   | -              | -          | -                 | -              | -          |                   |
| 1.3) UR006 RAM MK-49 GMLS 11 Round                                                        | A     |                | -              | -          | 5.543             | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                                   | -              | -          | -                 | -              | -          |                   |
| 1.4) UR006 RAM MK-49 GMLS Ethernet Interface Upgrade                                      | A     |                | -              | -          | 48.159            | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                                   | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) UR006 RAM MK-49 GMLS                                                         |       |                | -              | -          | 395.101           | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                                   | -              | -          | -                 | -              | -          |                   |
| 2) UR007 RAM GMLS Production Support                                                      |       |                |                |            |                   |                                                  |            |                   |                |            |                   |                |            |                                     |                |            |                   |                |            |                   |
| 2.1) UR007 Production Support                                                             | A     |                | -              | -          | 66.737            | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                                   | -              | -          | -                 | -              | -          |                   |
| Subtotal: 2) UR007 RAM GMLS Production Support                                            |       |                | -              | -          | 66.737            | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                                   | -              | -          | -                 | -              | -          |                   |
| 3) UR777 RAM Engineering Services Contractor                                              |       |                |                |            |                   |                                                  |            |                   |                |            |                   |                |            |                                     |                |            |                   |                |            |                   |
| 3.1) UR777 Engineering Services (Contractor)                                              | A     |                | -              | -          | 49.842            | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                                   | -              | -          | -                 | -              | -          |                   |
| Subtotal: 3) UR777 RAM Engineering Services Contractor                                    |       |                | -              | -          | 49.842            | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                                   | -              | -          | -                 | -              | -          |                   |
| 4) UR900 RAM - CSS                                                                        |       |                |                |            |                   |                                                  |            |                   |                |            |                   |                |            |                                     |                |            |                   |                |            |                   |
| 4.1) UR900 RAM - CSS                                                                      | A     |                | -              | -          | 13.441            | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                                   | -              | -          | -                 | -              | -          |                   |
| Subtotal: 4) UR900 RAM - CSS                                                              |       |                | -              | -          | 13.441            | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                                   | -              | -          | -                 | -              | -          |                   |
| 5) URCA3 RAM MK-49 MOD 3 Launcher (Congressional Add)                                     |       |                |                |            |                   |                                                  |            |                   |                |            |                   |                |            |                                     |                |            |                   |                |            |                   |
| 5.1) URCA3 RAM MK-49 MOD 3 Launcher (Congressional Add)                                   | A     |                | -              | -          | 1.000             | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                                   | -              | -          | -                 | -              | -          |                   |
| Subtotal: 5) URCA3 RAM MK-49 MOD 3 Launcher (Congressional Add)                           |       |                | -              | -          | 1.000             | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                                   | -              | -          | -                 | -              | -          |                   |
| 6) WAXXX Acquisition Workforce Fund - 2009                                                |       |                |                |            |                   |                                                  |            |                   |                |            |                   |                |            |                                     |                |            |                   |                |            |                   |

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|------------------------------------------------------------------------------------|--|--|--|--|--|--|--|---------------------------------------------------------|--|--|--|--|--|--|--------------------------------------------|--|--|--|--|
| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                         |  |  |  |  |  |  | <b>Date:</b> February 2015                 |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5238 / RAM GMLS |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>RAM GMLS |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                                 | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|-------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                             |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 6.1) WAXXX Acquisition Workforce Fund - 2009                | A     |                | -              | -          | 0.072             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <i>Subtotal: 6) WAXXX Acquisition Workforce Fund - 2009</i> |       |                | -              | -          | 0.072             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <b>7) UR5IN Install of Equipment (FMP)</b>                  |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 7.1) UR5IN Install of Equipment (FMP)                       | A     |                | -              | -          | 91.520            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <i>Subtotal: 7) UR5IN Install of Equipment (FMP)</i>        |       |                | -              | -          | 91.520            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <b>Total</b>                                                |       |                | -              | -          | <b>617.713</b>    | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |

| Item Number / Title [DODIC]                          | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                      |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) UR006 RAM MK-49 GMLS                              |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) UR006 RAM MK-49 GMLS Annual Procurement         | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.2) UR006 RAM MK-49 GMLS Multiyear                  | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.3) UR006 RAM MK-49 GMLS 11 Round                   | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.4) UR006 RAM MK-49 GMLS Ethernet Interface Upgrade | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) UR006 RAM MK-49 GMLS                    |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2) UR007 RAM GMLS Production Support                 |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) UR007 Production Support                        | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 2) UR007 RAM GMLS Production Support       |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3) UR777 RAM Engineering Services Contractor         |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 3.1) UR777 Engineering Services (Contractor)         | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy |       |                |                |            |                   |                                                  |            |                   |                |            |                   |                |            |                   | Date: February 2015                 |            |                   |                |            |                   |
|-----------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|--------------------------------------------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|-------------------------------------|------------|-------------------|----------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3    |       |                |                |            |                   | P-1 Line Item Number / Title:<br>5238 / RAM GMLS |            |                   |                |            |                   |                |            |                   | Aggregated Items Title:<br>RAM GMLS |            |                   |                |            |                   |
| Item Number / Title [DODIC]                                                 | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018                                          |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete                         |            |                   | Total Cost     |            |                   |
|                                                                             |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                   | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                      | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| Subtotal: 3) UR777 RAM Engineering Services Contractor                      |       |                | -              | -          | -                 | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                   | -          | -                 | -              | -          | -                 |
| 4) UR900 RAM - CSS                                                          |       |                |                |            |                   |                                                  |            |                   |                |            |                   |                |            |                   |                                     |            |                   |                |            |                   |
| 4.1) UR900 RAM - CSS                                                        | A     |                | -              | -          | -                 | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                   | -          | -                 | -              | -          | -                 |
| Subtotal: 4) UR900 RAM - CSS                                                |       |                | -              | -          | -                 | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                   | -          | -                 | -              | -          | -                 |
| 5) URCA3 RAM MK-49 MOD 3 Launcher (Congressional Add)                       |       |                |                |            |                   |                                                  |            |                   |                |            |                   |                |            |                   |                                     |            |                   |                |            |                   |
| 5.1) URCA3 RAM MK-49 MOD 3 Launcher (Congressional Add)                     | A     |                | -              | -          | -                 | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                   | -          | -                 | -              | -          | -                 |
| Subtotal: 5) URCA3 RAM MK-49 MOD 3 Launcher (Congressional Add)             |       |                | -              | -          | -                 | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                   | -          | -                 | -              | -          | -                 |
| 6) WAXXX Acquisition Workforce Fund - 2009                                  |       |                |                |            |                   |                                                  |            |                   |                |            |                   |                |            |                   |                                     |            |                   |                |            |                   |
| 6.1) WAXXX Acquisition Workforce Fund - 2009                                | A     |                | -              | -          | -                 | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                   | -          | -                 | -              | -          | -                 |
| Subtotal: 6) WAXXX Acquisition Workforce Fund - 2009                        |       |                | -              | -          | -                 | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                   | -          | -                 | -              | -          | -                 |
| 7) UR5IN Install of Equipment (FMP)                                         |       |                |                |            |                   |                                                  |            |                   |                |            |                   |                |            |                   |                                     |            |                   |                |            |                   |
| 7.1) UR5IN Install of Equipment (FMP)                                       | A     |                | -              | -          | -                 | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                   | -          | -                 | -              | -          | -                 |
| Subtotal: 7) UR5IN Install of Equipment (FMP)                               |       |                | -              | -          | -                 | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                   | -          | -                 | -              | -          | -                 |
| Total                                                                       |       |                | -              | -          | -                 | -                                                | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                   | -          | -                 | -              | -          | -                 |
|                                                                             |       |                |                |            |                   |                                                  |            |                   |                |            |                   |                |            |                   |                                     |            |                   |                |            |                   |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                         | <b>Date:</b> February 2015                                              |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5238 / RAM GMLS | <b>Modification Number / Title:</b><br>1 / UR006 RAM MK-49 GMLS ORDALTS |

| <b>Resource Summary</b>                                                                                                                       | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016 Base</b> | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b> | <b>FY 2018</b> | <b>FY 2019</b> | <b>FY 2020</b> | <b>To Complete</b> | <b>Total</b>  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|---------------|
| Procurement Quantity ( <i>Units in Each</i> )                                                                                                 | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -             |
| Gross/Weapon System Cost ( <i>\$ in Millions</i> )                                                                                            | 46.838             | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | 46.838        |
| Less PY Advance Procurement ( <i>\$ in Millions</i> )                                                                                         | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -             |
| Net Procurement (P1) ( <i>\$ in Millions</i> )                                                                                                | 46.838             | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | 46.838        |
| Plus CY Advance Procurement ( <i>\$ in Millions</i> )                                                                                         | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -             |
| <b>Total Obligation Authority (<i>\$ in Millions</i>)</b>                                                                                     | <b>46.838</b>      | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | <b>46.838</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |                    |                |                |                     |                    |                      |                |                |                |                |                    |               |
| Initial Spares ( <i>\$ in Millions</i> )                                                                                                      | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -             |
| Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )                                                                                        | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -             |

**Description:**

The Rolling Airframe Missile is a lightweight, quick-reaction, high firepower missile system designed to provide anti-ship missile defense. The system (MK-31 GMWS), is comprised of a MK-44 Guided Missile Round Pack (GMRP) and the MK-49 Guided Missile Launching System (GMLS), which holds 21 RAM missiles. The 21-round launcher is compatible with various platforms, ranging from large USN amphibious assault ships to Littoral Combat Ship (LCS). This system is designed to counter high density anti-ship, cruise missile raids and provide for ship survivability with accurate terminal guidance, proven lethality and no fire control illumination dependence.

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|---------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|---------------------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|--|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                           |                                           |                                           |                                           |                                                         |                                           |                                           |                                           |                                           | <b>Date:</b> February 2015                                              |                                           |                                           |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 |                                           |                                           |                                           |                                           | <b>P-1 Line Item Number / Title:</b><br>5238 / RAM GMLS |                                           |                                           |                                           |                                           | <b>Modification Number / Title:</b><br>1 / UR006 RAM MK-49 GMLS ORDALTS |                                           |                                           |  |
| <b>Models of Systems Affected:</b> RAM GMLS ORDALTS<br>RAM MK 49 GMLS           |                                           |                                           |                                           |                                           | <b>Modification Type:</b> Shipyard/AIT                  |                                           |                                           |                                           |                                           | <b>Related RDT&amp;E PEs:</b>                                           |                                           |                                           |  |
| <b>Financial Plan</b>                                                           | <b>Prior Years</b>                        | <b>FY 2014</b>                            | <b>FY 2015</b>                            | <b>FY 2016<br/>Base</b>                   | <b>FY 2016<br/>OCO</b>                                  | <b>FY 2016<br/>Total</b>                  | <b>FY 2017</b>                            | <b>FY 2018</b>                            | <b>FY 2019</b>                            | <b>FY 2020</b>                                                          | <b>To<br/>Complete</b>                    | <b>Total</b>                              |  |
|                                                                                 | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i>               | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i>                               | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> |  |
| <b>Procurement</b>                                                              |                                           |                                           |                                           |                                           |                                                         |                                           |                                           |                                           |                                           |                                                                         |                                           |                                           |  |
| <i>Modification Item 1 of 1:</i> UR006 RAM MK-49 GMLS ORDALTS                   |                                           |                                           |                                           |                                           |                                                         |                                           |                                           |                                           |                                           |                                                                         |                                           |                                           |  |
| B Kits                                                                          |                                           |                                           |                                           |                                           |                                                         |                                           |                                           |                                           |                                           |                                                                         |                                           |                                           |  |
| Recurring                                                                       |                                           |                                           |                                           |                                           |                                                         |                                           |                                           |                                           |                                           |                                                                         |                                           |                                           |  |
| 1.1.1) UR006 RAM MK-49 GMLS ORDALTS - NonOrganic                                | 59 / 43.087                               | - / -                                     | - / -                                     | - / -                                     | - / -                                                   | - / -                                     | - / -                                     | - / -                                     | - / -                                     | - / -                                                                   | - / -                                     | 59 / 43.087                               |  |
| <i>Subtotal: Recurring</i>                                                      | - / 43.087                                | - / -                                     | - / -                                     | - / -                                     | - / -                                                   | - / -                                     | - / -                                     | - / -                                     | - / -                                     | - / -                                                                   | - / -                                     | - / 43.087                                |  |
| <i>Subtotal: UR006 RAM MK-49 GMLS ORDALTS</i>                                   | 59 / 43.087                               | - / -                                     | - / -                                     | - / -                                     | - / -                                                   | - / -                                     | - / -                                     | - / -                                     | - / -                                     | - / -                                                                   | - / -                                     | 59 / 43.087                               |  |
| <i>Subtotal: Procurement, All Modification Items</i>                            | - / 43.087                                | - / -                                     | - / -                                     | - / -                                     | - / -                                                   | - / -                                     | - / -                                     | - / -                                     | - / -                                     | - / -                                                                   | - / -                                     | - / 43.087                                |  |
| <b>Installation</b>                                                             |                                           |                                           |                                           |                                           |                                                         |                                           |                                           |                                           |                                           |                                                                         |                                           |                                           |  |
| <i>Modification Item 1 of 1:</i> UR006 RAM MK-49 GMLS ORDALTS                   | - / 3.751                                 | - / -                                     | - / -                                     | - / -                                     | - / -                                                   | - / -                                     | - / -                                     | - / -                                     | - / -                                     | - / -                                                                   | - / -                                     | - / 3.751                                 |  |
| <i>Subtotal: Installation</i>                                                   | - / 3.751                                 | - / -                                     | - / -                                     | - / -                                     | - / -                                                   | - / -                                     | - / -                                     | - / -                                     | - / -                                     | - / -                                                                   | - / -                                     | - / 3.751                                 |  |
| <b>Total</b>                                                                    |                                           |                                           |                                           |                                           |                                                         |                                           |                                           |                                           |                                           |                                                                         |                                           |                                           |  |
| <b>Total Cost (Procurement + Support + Installation)</b>                        | <b>46.838</b>                             | -                                         | -                                         | -                                         | -                                                       | -                                         | -                                         | -                                         | -                                         | -                                                                       | -                                         | <b>46.838</b>                             |  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |  |                                                         | <b>Date:</b> February 2015 |  |                                                                         |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 |  | <b>P-1 Line Item Number / Title:</b><br>5238 / RAM GMLS |                            |  | <b>Modification Number / Title:</b><br>1 / UR006 RAM MK-49 GMLS ORDALTS |

**Modification Item 1 of 1:** UR006 RAM MK-49 GMLS ORDALTS

**Manufacturer Information**

|                                        |  |  |                                     |  |  |
|----------------------------------------|--|--|-------------------------------------|--|--|
| Manufacturer Name: Raytheon Co         |  |  | Manufacturer Location: Tucson AZA   |  |  |
| Administrative Leadtime (in Months): 7 |  |  | Production Leadtime (in Months): 21 |  |  |

| Dates          | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 |
|----------------|---------|---------|---------|---------|---------|---------|---------|
| Contract Dates |         |         |         |         |         |         |         |
| Delivery Dates |         |         |         |         |         |         |         |

**Installation Information**

**Method of Implementation:** Shipyard/AIT:: Installation Name: UR006 RAM MK-49 GMLS ORDALTS

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 41 / 3.751                     | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 41 / 3.751                     |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 41 / 3.751                     | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 41 / 3.751                     |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | 41  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 41  |
| Out | 41  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 41  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                         | <b>Date:</b> February 2015                                       |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5238 / RAM GMLS | <b>Modification Number / Title:</b><br>2 / UR6IN NON-FMP Install |

| Resource Summary                                                                                                                              | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|-------|
| Procurement Quantity <i>(Units in Each)</i>                                                                                                   | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -     |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                              | 0.506       | 0.491   | -       | -            | -           | -             | -       | -       | -       | -       | -           | 0.997 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -     |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                  | 0.506       | 0.491   | -       | -            | -           | -             | -       | -       | -       | -       | -           | 0.997 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -     |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                            | 0.506       | 0.491   | -       | -            | -           | -             | -       | -       | -       | -       | -           | 0.997 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |             |         |         |              |             |               |         |         |         |         |             |       |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                        | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -     |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                          | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -     |

**Description:**

The Rolling Airframe Missile is a lightweight, quick-reaction, high firepower missile system designed to provide anti-ship missile defense. The system (MK-31 GMWS), is comprised of a MK-44 Guided Missile Round Pack (GMRP) and the MK-49 Guided Missile Launching System (GMLS), which holds 21 RAM missiles. The 21-round launcher is compatible with various platforms, ranging from large USN amphibious assault ships to Littoral Combat Ship (LCS). This system is designed to counter high density anti-ship, cruise missile raids and provide for ship survivability with accurate terminal guidance, proven lethality and no fire control illumination dependence.



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|--------------------------------------------------------------------------|--------------------------------|--------------------------------|------------------------------------|--------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                |                                |                                    |                                                  |                                |                                |                                | Date: February 2015                                       |                                |                                |                                |                                |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                                |                                |                                    | P-1 Line Item Number / Title:<br>5238 / RAM GMLS |                                |                                |                                | Modification Number / Title:<br>2 / UR6IN NON-FMP Install |                                |                                |                                |                                |  |
| Models of Systems Affected: MK 49 GMLS                                   |                                |                                | Modification Type: NON-FMP Install |                                                  |                                |                                |                                | Related RDT&E PEs:                                        |                                |                                |                                |                                |  |
| Financial Plan                                                           | Prior Years                    | FY 2014                        | FY 2015                            | FY 2016 Base                                     | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                                                   | FY 2019                        | FY 2020                        | To Complete                    | Total                          |  |
|                                                                          | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)     | Qty (Each) / Total Cost (\$ M)                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                            | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |  |
| Procurement                                                              |                                |                                |                                    |                                                  |                                |                                |                                |                                                           |                                |                                |                                |                                |  |
| Modification Item 1 of 1: UR6IN NON-FMP Install                          |                                |                                |                                    |                                                  |                                |                                |                                |                                                           |                                |                                |                                |                                |  |
| B Kits                                                                   |                                |                                |                                    |                                                  |                                |                                |                                |                                                           |                                |                                |                                |                                |  |
| Recurring                                                                |                                |                                |                                    |                                                  |                                |                                |                                |                                                           |                                |                                |                                |                                |  |
| 1.1.1) UR6IN NON-FMP Installs - Organic                                  | 2 / 0.506                      | 2 / 0.491                      | - / -                              | - / -                                            | - / -                          | - / -                          | - / -                          | - / -                                                     | - / -                          | - / -                          | - / -                          | 4 / 0.997                      |  |
| Subtotal: Recurring                                                      | - / 0.506                      | - / 0.491                      | - / -                              | - / -                                            | - / -                          | - / -                          | - / -                          | - / -                                                     | - / -                          | - / -                          | - / -                          | - / 0.997                      |  |
| Subtotal: UR6IN NON-FMP Install                                          | 2 / 0.506                      | 2 / 0.491                      | - / -                              | - / -                                            | - / -                          | - / -                          | - / -                          | - / -                                                     | - / -                          | - / -                          | - / -                          | 4 / 0.997                      |  |
| Subtotal: Procurement, All Modification Items                            | - / 0.506                      | - / 0.491                      | - / -                              | - / -                                            | - / -                          | - / -                          | - / -                          | - / -                                                     | - / -                          | - / -                          | - / -                          | - / 0.997                      |  |
| Installation                                                             |                                |                                |                                    |                                                  |                                |                                |                                |                                                           |                                |                                |                                |                                |  |
| Subtotal: Installation                                                   | - / -                          | - / -                          | - / -                              | - / -                                            | - / -                          | - / -                          | - / -                          | - / -                                                     | - / -                          | - / -                          | - / -                          | - / -                          |  |
| Total                                                                    |                                |                                |                                    |                                                  |                                |                                |                                |                                                           |                                |                                |                                |                                |  |
| Total Cost (Procurement + Support + Installation)                        | 0.506                          | 0.491                          | -                                  | -                                                | -                              | -                              | -                              | -                                                         | -                              | -                              | -                              | 0.997                          |  |

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                        |         |                                                  |         |                                     | Date: February 2015                                       |         |         |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3   |         | P-1 Line Item Number / Title:<br>5238 / RAM GMLS |         |                                     | Modification Number / Title:<br>2 / UR6IN NON-FMP Install |         |         |
| Modification Item 1 of 1: UR6IN NON-FMP Install                            |         |                                                  |         |                                     |                                                           |         |         |
| Manufacturer Information                                                   |         |                                                  |         |                                     |                                                           |         |         |
| Manufacturer Name: Raytheon Co                                             |         |                                                  |         | Manufacturer Location: Tucson AZA   |                                                           |         |         |
| Administrative Leadtime (in Months): 7                                     |         |                                                  |         | Production Leadtime (in Months): 21 |                                                           |         |         |
| Dates                                                                      | FY 2014 | FY 2015                                          | FY 2016 | FY 2017                             | FY 2018                                                   | FY 2019 | FY 2020 |
| Contract Dates                                                             |         |                                                  |         |                                     |                                                           |         |         |
| Delivery Dates                                                             |         |                                                  |         |                                     |                                                           |         |         |
| Installation Information                                                   |         |                                                  |         |                                     |                                                           |         |         |
| Method of Implementation (Organic): Not Installed - UR6IN NON-FMP Installs |         |                                                  |         |                                     | Installation Quantity: 4                                  |         |         |
|                                                                            |         |                                                  |         |                                     |                                                           |         |         |
|                                                                            |         |                                                  |         |                                     |                                                           |         |         |
|                                                                            |         |                                                  |         |                                     |                                                           |         |         |
|                                                                            |         |                                                  |         |                                     |                                                           |         |         |
|                                                                            |         |                                                  |         |                                     |                                                           |         |         |
|                                                                            |         |                                                  |         |                                     |                                                           |         |         |
|                                                                            |         |                                                  |         |                                     |                                                           |         |         |
|                                                                            |         |                                                  |         |                                     |                                                           |         |         |
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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Navy **Date:** February 2015

|                                                                                                                                                                                |                                                                         |
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| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3:<br>Ship Missile Systems Equipment | <b>P-1 Line Item Number / Title:</b><br>5239 / Ship Self Defense System |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|

|                                                           |                                           |                                                                               |
|-----------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------|
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A | <b>Program Elements for Code B Items:</b> | <b>Other Related Program Elements:</b> 0604370N, 0204413N, 0603582N, 0604755N |
|-----------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------|

| Resource Summary                                                                                                                              | Prior Years    | FY 2014       | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total          |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|----------------|
| Procurement Quantity ( <i>Units in Each</i> )                                                                                                 | -              | -             | -       | -            | -           | -             | -       | -       | -       | -       | -           | -              |
| Gross/Weapon System Cost ( <i>\$ in Millions</i> )                                                                                            | 609.190        | 51.858        | -       | -            | -           | -             | -       | -       | -       | -       | -           | 661.048        |
| Less PY Advance Procurement ( <i>\$ in Millions</i> )                                                                                         | -              | -             | -       | -            | -           | -             | -       | -       | -       | -       | -           | -              |
| Net Procurement (P1) ( <i>\$ in Millions</i> )                                                                                                | 609.190        | 51.858        | -       | -            | -           | -             | -       | -       | -       | -       | -           | 661.048        |
| Plus CY Advance Procurement ( <i>\$ in Millions</i> )                                                                                         | -              | -             | -       | -            | -           | -             | -       | -       | -       | -       | -           | -              |
| <b>Total Obligation Authority (<i>\$ in Millions</i>)</b>                                                                                     | <b>609.190</b> | <b>51.858</b> | -       | -            | -           | -             | -       | -       | -       | -       | -           | <b>661.048</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |                |               |         |              |             |               |         |         |         |         |             |                |
| Initial Spares ( <i>\$ in Millions</i> )                                                                                                      | -              | 1.761         | -       | -            | -           | -             | -       | -       | -       | -       | -           | 1.761          |
| Flyaway Unit Cost ( <i>\$ in Dollars</i> )                                                                                                    | -              | -             | -       | -            | -           | -             | -       | -       | -       | -       | -           | -              |
| Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )                                                                                        | -              | -             | -       | -            | -           | -             | -       | -       | -       | -       | -           | -              |

## Description:

The Ship Self Defense System (SSDS) is the core combat system control element for the Quick Reaction Combat Capability (QRCC) in aircraft carriers and amphibious assault ships to defend against Anti-Ship Cruise Missiles (ASCM). SSDS integrates a diverse set of fire control loop sensors and weapons, and C4I systems for each ship class (CVN68/78, LHA6, LHD1, LPD17, and LSD41/49 ship classes). SSDS MK2 provides the capabilities for integrated air and missile defense, multi-warfare situational awareness, combat direction, and joint interoperability via the Cooperative Engagement Capability (CEC) and Tactical Data Information Link (TADIL)-J. SSDS MK2 is being fielded with the new construction carriers (CVN78 class) and amphibious ships (LHA6, LPD17 classes). SSDS MK2 is replacing the Advanced Combat Direction System (ACDS) in the LHD1 class, and SSDS MK1 in the LSD 41/49 class, as fleet modernization initiatives.

SSDS MK2 integrates new combat system warfighting capabilities and improvements on phased basis via Advanced Capability Builds (ACB), Technology Insertion (TI), the Fire Control Loop Improvement Project (FCLIP), and Accelerated Mid-Term Interoperability Improvement Project (AMIIP). New hardware Technology Insertion baselines are required every four years to refresh the Commercial-Off-The-Shelf (COTS) assemblies to sustain system production and to support the incorporation of new ACB capabilities. Each individual ship is planned for a Technology Insertion upgrade on an eight year interval to replace obsolescent COTS hardware and support the fielding of the ACB capabilities.

### SHIP SELF DEFENSE SYSTEM (SSDS) MK 1

Provides ship self defense capabilities against Anti-Ship Cruise Missiles (ASCM) for LSD 41/49 class ships. It integrates several existing stand-alone sensor and Anti-Air Warfare weapons systems to provide an automated detect-to-engage capability against low flying, high speed ASCMs with low radar cross sections in the littoral environment. System design emphasizes physically distributed non-developmental items, commercial standards and computer program reuse in an open system architecture computer network. It includes a command table that uses components of the Navy's AN/UYQ-70 standard display for human-system interface, commercially available local area network access units and circuit cards, and commercially available fiber optic cabling. SSDS MK 1 requires a COTS obsolescence technology refresh and transitioned to an SSDS MK2 Open Architecture Computing Environment (OACE) beginning with FY10 procurement for shore sites.

SHIP SELF DEFENSE SYSTEM (SSDS) MK 2 Provides Advance Combat Direction System (ACDS) functionality and SSDS MK1 capabilities with additional weapon and sensor elements. It is integrated with Cooperative Engagement Capability (CEC) and tactical data links to provide joint interoperability for Aircraft Carriers and Amphibious Ships. It provides enhanced capabilities for Force Protection against air,

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                    | Date: February 2015                                                    |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    | P-1 Line Item Number / Title:<br>5239 / Ship Self Defense System       |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Program Elements for Code B Items: | Other Related Program Elements: 0604370N, 0204413N, 0603582N, 0604755N |
| <p>surface, and subsurface threats using both own-ship and remote data in support of the Anti Air Warfare (AAW) Capstone Requirements. SSDS MK2 increases operational capabilities, improves combat readiness and Strike Group and Expeditionary Strike Group interoperability. SSDS MK 2 equips back-fit LHDs and CV(N)s with an upgraded Combat System Display Suite, Automatic Status Board (ASTABS), Remote ASTAB Controllers, peripheral control stations and Advanced Sensor Distribution System (ASDS), as well as, the SSDS MK 2 computing equipment. Prior year procurement of SSDS MK 2 equipment included shore-based SSDS MK 2 equipment and full combat system suites for the Ship Combat System Center (SCSC), Wallops Island, Virginia; maintenance and operator training equipment at the Center for Surface Combat Systems (CSCS), Dam Neck, Virginia; and an equipment suite for the Self Defense Test Ship (SDTS), and System Integration Lab (SIL) at Raytheon IDS, San Diego. COTS obsolescence technology refresh kits are funded for SSDS MK 2 and SSDS MK 1 in FY14. This P-1 line item supports various Commercial Off The Shelf (COTS) based systems used within the combat system. In FY14 three COTS Conversion Kits were planned for LSDs, and COTS Upgrade Kits were planned for the shore sites used for SSDS software development/maintenance, training, and Combat System integration and certification testing. The COTS Tech Refresh conversion kits will support Navy Open Architecture computing environment standards to facilitate software reuse. FY14 kits are based on a Technology Insertion-12 (TI-12) configuration. Due to PB15 SSDS OPN BLI 5231 budget reductions, the installation of one LSD COTS Conversion Kit funded in FY15 for LSD47 is being canceled, and the LSD SSDS COTS Conversion Kit procured for LSD47 in FY14 is being redesignated for LHD2. This reduces the LHD2 SSDS MK2 COTS Conversion Kit procurement requirements in FY15 to offset the budget reductions, and provides all of the SSDS equipment required for the LHD2 SSDS MK2/Combat System AAW Capstone installation in FY16. The redesignated LSD COTS Conversion Kit will provide core SSDS COTS Conversion equipment for the LHD2 (common processor system equipment, network server group, system control consoles and command control group.) The additional SSDS MK2 COTS Conversion equipment required for LHD2 (common display system equipment, OD-220 consoles, monitors, communication panels, and combat system interface/conversion equipment) will be procured as a COTS Conversion Kit in FY15. LHD1 has been upgraded from ACDS Block 1 to SSDS MK2 in FY13. FY12 -14 includes the procurement and installation of SSDS MK2 Mod 1C, 3C, 5C equipment, and support equipment for shore sites for testing and training. Starting in FY14, the Integrated Combat System Test Facility, at Naval Surface Warfare Center Dahlgren, is designated as an SSDS MK2 test facility for SSDS MK2/Combat System Certification testing. FY14 includes COTS Conversion Kits, equipment upgrade kits and support equipment for this facility. The budget cost estimate for the procurement and installation kits varies depends on the specific ship class (CVNs, LPDs, LSDs, LHAs, and LHDs), and the existing configuration of the ship or shore site. The cost estimates for individual COTS conversion kits and their associated installation costs are included in the remarks of exhibit P3A (for UQ005B).</p> <p>AMPHIBIOUS ASSAULT DIRECTION SYSTEM (AADS) OR AN/KSQ-1 As directed by the National Security Agency as a Congressional mandate, Crypto Modernization Program funds in FY11-FY13 will be used to upgrade the system's Crypto Key Generator (CKG) from the currently used KOK-13 to the KOK-23. Integrates Enhanced PLRS (EPLRS) with NAVSTAR Global Position System (GPS) via a Global Position to form a jam/intercept resistant, command and control system which supports the surface assault ship-to-shore movement in amphibious operations. An airborne relay group extends the system range over the horizon to 100 nautical miles. By computing Position Location Information (PLI) for each participant in the EPLRS network, AADS provides the capability, in near real-time to locate, identify, track, communicate with and control all craft, vehicles and personnel in the network during operations both afloat and ashore.</p> <p>Commencing in FY15, LI 5239 was consolidated under LI 5231 in FY15 and out.</p> |                                    |                                                                        |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                        |             |       |                                          |                                                                  |                                          | Date: February 2015                                                       |                                          |                                          |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3:<br>Ship Missile Systems Equipment                                                                           |             |       |                                          | P-1 Line Item Number / Title:<br>5239 / Ship Self Defense System |                                          |                                                                           |                                          |                                          |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                |             |       | Program Elements for Code B Items:       |                                                                  |                                          | Other Related Program Elements: 0604370N, 0204413N,<br>0603582N, 0604755N |                                          |                                          |
| Exhibits Schedule                                                                                                                                                                                                                                 |             |       | Prior Years                              | FY 2014                                                          | FY 2015                                  | FY 2016 Base                                                              | FY 2016 OCO                              | FY 2016 Total                            |
| Title*                                                                                                                                                                                                                                            | Exhibits    | ID CD | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M)                         | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M)                                  | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) |
| Ship Self Defense System                                                                                                                                                                                                                          | P-40a, P-5a |       | - / 121.861                              | - / 4.565                                                        | - / -                                    | - / -                                                                     | - / -                                    | - / -                                    |
| 1 / AADS FMP Install ()                                                                                                                                                                                                                           | P-3a        |       | - / 1.987                                | - / -                                                            | - / -                                    | - / -                                                                     | - / -                                    | - / -                                    |
| 2 / UQ001 - SSDS Full Ship System Suite/Displays ()                                                                                                                                                                                               | P-3a        |       | - / 248.867                              | - / -                                                            | - / -                                    | - / -                                                                     | - / -                                    | - / -                                    |
| 3 / UQ005B - SSDS COTS CONVERSION KITS ()                                                                                                                                                                                                         | P-3a        |       | - / 236.475                              | - / 47.293                                                       | - / -                                    | - / -                                                                     | - / -                                    | - / -                                    |
| Total Gross/Weapon System Cost                                                                                                                                                                                                                    |             |       | - / 609.190                              | - / 51.858                                                       | - / -                                    | - / -                                                                     | - / -                                    | - / -                                    |
| Exhibits Schedule                                                                                                                                                                                                                                 |             |       | FY 2017                                  | FY 2018                                                          | FY 2019                                  | FY 2020                                                                   | To Complete                              | Total                                    |
| Title*                                                                                                                                                                                                                                            | Exhibits    | ID CD | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M)                         | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M)                                  | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) |
| Ship Self Defense System                                                                                                                                                                                                                          | P-40a, P-5a |       | - / -                                    | - / -                                                            | - / -                                    | - / -                                                                     | - / -                                    | - / -                                    |
| 1 / AADS FMP Install ()                                                                                                                                                                                                                           | P-3a        |       | - / -                                    | - / -                                                            | - / -                                    | - / -                                                                     | - / -                                    | - / 1.987                                |
| 2 / UQ001 - SSDS Full Ship System Suite/Displays ()                                                                                                                                                                                               | P-3a        |       | - / -                                    | - / -                                                            | - / -                                    | - / -                                                                     | - / -                                    | - / 248.867                              |
| 3 / UQ005B - SSDS COTS CONVERSION KITS ()                                                                                                                                                                                                         | P-3a        |       | - / -                                    | - / -                                                            | - / -                                    | - / -                                                                     | - / -                                    | - / 283.768                              |
| Total Gross/Weapon System Cost                                                                                                                                                                                                                    |             |       | - / -                                    | - / -                                                            | - / -                                    | - / -                                                                     | - / -                                    | - / 661.048                              |
| *Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown. |             |       |                                          |                                                                  |                                          |                                                                           |                                          |                                          |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.                                                                                                                                                                    |             |       |                                          |                                                                  |                                          |                                                                           |                                          |                                          |

**Justification:**

Ship Self Defense System provides CVNs, LPDs, LHDs, LHA6 and LSD class ships with greater capability to defend against Anti-Ship Cruise Missiles (ASCM), multi-warfare combat direction capabilities and strike group interoperability via CEC and TADIL-J.

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                         |  |  |  |  |  |  | <b>Date:</b> February 2015                                 |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5239 / Ship Self Defense System |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Ship Self Defense System |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                   | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|-----------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                               |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) Ship Self Defense System                   |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) UQ002 - SSDS Production Support          | A     |                | -              | -          | 52.357            | -              | -          | 1.646             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 1.2) UQ003 - SSDS ECP                         | A     |                | -              | -          | 4.847             | -              | -          | 0.188             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 1.3) UQ004 - SSDS Training                    | A     |                | -              | -          | 21.001            | -              | -          | 0.687             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 1.4) UQ005A - SSDS COTS Eng/Obsolescence Kits | A     |                | -              | -          | 41.659            | -              | -          | 2.044             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 1.5) UQ010 - AADS <sup>(†)</sup>              | A     |                | 142,642.86     | 14         | 1.997             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 1) Ship Self Defense System         |       |                | -              | -          | 121.861           | -              | -          | 4.565             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Total                                         |       |                | -              | -          | 121.861           | -              | -          | 4.565             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |

| Item Number / Title [DODIC]                    | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) Ship Self Defense System                    |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) UQ002 - SSDS Production Support           | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.2) UQ003 - SSDS ECP                          | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.3) UQ004 - SSDS Training                     | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.4) UQ005A - SSDS COTS Eng/ Obsolescence Kits | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.5) UQ010 - AADS <sup>(†)</sup>               | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) Ship Self Defense System          |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Total                                          |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

<sup>(†)</sup> indicates the presence of a P-5a

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| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy             |             |      |                                |                                                                  |                 |               |                              |               | Date: February 2015                           |                        |                               |                      |  |
|--------------------------------------------------------------------------|-------------|------|--------------------------------|------------------------------------------------------------------|-----------------|---------------|------------------------------|---------------|-----------------------------------------------|------------------------|-------------------------------|----------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |             |      |                                | P-1 Line Item Number / Title:<br>5239 / Ship Self Defense System |                 |               |                              |               | Aggregated Items:<br>Ship Self Defense System |                        |                               |                      |  |
| Item Number / Title [DODIC]                                              | O<br>C<br>O | FY   | Contractor and Location        | Method/Type<br>or<br>Funding Vehicle                             | Location of PCO | Award<br>Date | Date<br>of First<br>Delivery | Qty<br>(Each) | Unit Cost<br>(\$)                             | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |  |
| 1) Ship Self Defense System                                              |             |      |                                |                                                                  |                 |               |                              |               |                                               |                        |                               |                      |  |
| 1.5) UQ010 - AADS                                                        |             | 2011 | General Dynamics / Needham, Ma | SS / FFP                                                         | NAVSEA          | Jun 2011      | Dec 2011                     | 8             | 143,250.00                                    | N                      |                               | Jun 2009             |  |
| 1.5) UQ010 - AADS                                                        |             | 2012 | General Dynamics / Needham, Ma | SS / FFP                                                         | NAVSEA          | Dec 2011      | Jun 2012                     | 6             | 141,833.33                                    | N                      |                               | Jun 2009             |  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                                                                                                                                         |                    |                |                |                                                                         |                    |                      |                |                |                | <b>Date:</b> February 2015                                  |                    |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|----------------|-------------------------------------------------------------------------|--------------------|----------------------|----------------|----------------|----------------|-------------------------------------------------------------|--------------------|--------------|
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3                                                                                                                    |                    |                |                | <b>P-1 Line Item Number / Title:</b><br>5239 / Ship Self Defense System |                    |                      |                |                |                | <b>Modification Number / Title:</b><br>1 / AADS FMP Install |                    |              |
| <b>Resource Summary</b>                                                                                                                                                                            | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016 Base</b>                                                     | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b> | <b>FY 2018</b> | <b>FY 2019</b> | <b>FY 2020</b>                                              | <b>To Complete</b> | <b>Total</b> |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                                                                        | -                  | -              | -              | -                                                                       | -                  | -                    | -              | -              | -              | -                                                           | -                  | -            |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                                                                                   | 1.987              | -              | -              | -                                                                       | -                  | -                    | -              | -              | -              | -                                                           | -                  | 1.987        |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                | -                  | -              | -              | -                                                                       | -                  | -                    | -              | -              | -              | -                                                           | -                  | -            |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                                                                       | 1.987              | -              | -              | -                                                                       | -                  | -                    | -              | -              | -              | -                                                           | -                  | 1.987        |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                | -                  | -              | -              | -                                                                       | -                  | -                    | -              | -              | -              | -                                                           | -                  | -            |
| <b>Total Obligation Authority <i>(\$ in Millions)</i></b>                                                                                                                                          | <b>1.987</b>       | -              | -              | -                                                                       | -                  | -                    | -              | -              | -              | -                                                           | -                  | <b>1.987</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>                                                      |                    |                |                |                                                                         |                    |                      |                |                |                |                                                             |                    |              |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                                                                             | -                  | -              | -              | -                                                                       | -                  | -                    | -              | -              | -              | -                                                           | -                  | -            |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                               | -                  | -              | -              | -                                                                       | -                  | -                    | -              | -              | -              | -                                                           | -                  | -            |
| <p><b>Description:</b><br/>           Effort to procure, install, and upgrade the AADS Crypto Upgrade Kits.</p> <p>Commencing in FY15, LI 5239 was consolidated under LI 5231 in FY15 and out.</p> |                    |                |                |                                                                         |                    |                      |                |                |                |                                                             |                    |              |



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|--------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                   |                                   |                                   |                                                                  |                                   |                                   |                                   | Date: February 2015                                  |                                   |                                   |                                   |                                   |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5239 / Ship Self Defense System |                                   |                                   |                                   | Modification Number / Title:<br>1 / AADS FMP Install |                                   |                                   |                                   |                                   |
| Models of Systems Affected:                                              |                                   |                                   | Modification Type:                |                                                                  |                                   |                                   |                                   | Related RDT&E PEs:                                   |                                   |                                   |                                   |                                   |
| Financial Plan                                                           | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                  | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                                              | FY 2019                           | FY 2020                           | To<br>Complete                    | Total                             |
|                                                                          | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                    | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |
| Procurement                                                              |                                   |                                   |                                   |                                                                  |                                   |                                   |                                   |                                                      |                                   |                                   |                                   |                                   |
| Modification Item 1 of 1: AADS FMP Install                               |                                   |                                   |                                   |                                                                  |                                   |                                   |                                   |                                                      |                                   |                                   |                                   |                                   |
| B Kits                                                                   |                                   |                                   |                                   |                                                                  |                                   |                                   |                                   |                                                      |                                   |                                   |                                   |                                   |
| Recurring                                                                |                                   |                                   |                                   |                                                                  |                                   |                                   |                                   |                                                      |                                   |                                   |                                   |                                   |
| 1.1.1) UQ8IN - AADS UPGRADE KITS - NonOrganic                            | 14 / 0.000                        | - / -                             | - / -                             | - / -                                                            | - / -                             | - / -                             | - / -                             | - / -                                                | - / -                             | - / -                             | - / -                             | 14 / -                            |
| Subtotal: Recurring                                                      | - / 0.000                         | - / -                             | - / -                             | - / -                                                            | - / -                             | - / -                             | - / -                             | - / -                                                | - / -                             | - / -                             | - / -                             | - / -                             |
| Subtotal: AADS FMP Install                                               | 14 / 0.000                        | - / -                             | - / -                             | - / -                                                            | - / -                             | - / -                             | - / -                             | - / -                                                | - / -                             | - / -                             | - / -                             | 14 / -                            |
| Subtotal: Procurement, All Modification Items                            | - / 0.000                         | - / -                             | - / -                             | - / -                                                            | - / -                             | - / -                             | - / -                             | - / -                                                | - / -                             | - / -                             | - / -                             | - / -                             |
| Installation                                                             |                                   |                                   |                                   |                                                                  |                                   |                                   |                                   |                                                      |                                   |                                   |                                   |                                   |
| Modification Item 1 of 1: AADS FMP Install                               | - / 1.987                         | - / -                             | - / -                             | - / -                                                            | - / -                             | - / -                             | - / -                             | - / -                                                | - / -                             | - / -                             | - / -                             | - / 1.987                         |
| Subtotal: Installation                                                   | - / 1.987                         | - / -                             | - / -                             | - / -                                                            | - / -                             | - / -                             | - / -                             | - / -                                                | - / -                             | - / -                             | - / -                             | - / 1.987                         |
| Total                                                                    |                                   |                                   |                                   |                                                                  |                                   |                                   |                                   |                                                      |                                   |                                   |                                   |                                   |
| Total Cost (Procurement + Support + Installation)                        | 1.987                             | -                                 | -                                 | -                                                                | -                                 | -                                 | -                                 | -                                                    | -                                 | -                                 | -                                 | 1.987                             |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |  |                                                                         | <b>Date:</b> February 2015 |  |                                                             |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 |  | <b>P-1 Line Item Number / Title:</b><br>5239 / Ship Self Defense System |                            |  | <b>Modification Number / Title:</b><br>1 / AADS FMP Install |

**Modification Item 1 of 1:** AADS FMP Install

**Manufacturer Information**

|                                      |  |  |                                  |  |  |
|--------------------------------------|--|--|----------------------------------|--|--|
| Manufacturer Name: TBD               |  |  | Manufacturer Location: TBD       |  |  |
| Administrative Leadtime (in Months): |  |  | Production Leadtime (in Months): |  |  |

| Dates          | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 |
|----------------|---------|---------|---------|---------|---------|---------|---------|
| Contract Dates |         |         |         |         |         |         |         |
| Delivery Dates |         |         |         |         |         |         |         |

**Installation Information**

**Method of Implementation:** [none specified]:: Installation Name: UQ8IN - AADS UPGRADE KITS

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 14 / 1.987                     | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 14 / 1.987                     |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 14 / 1.987                     | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 14 / 1.987                     |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | 14  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 14  |
| Out | 14  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 14  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                         | <b>Date:</b> February 2015                                                              |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5239 / Ship Self Defense System | <b>Modification Number / Title:</b><br>2 / UQ001 - SSDS Full Ship System Suite/Displays |

| <b>Resource Summary</b>                                                                                                                       | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016 Base</b> | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b> | <b>FY 2018</b> | <b>FY 2019</b> | <b>FY 2020</b> | <b>To Complete</b> | <b>Total</b>   |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity ( <i>Units in Each</i> )                                                                                                 | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -              |
| Gross/Weapon System Cost ( <i>\$ in Millions</i> )                                                                                            | 248.867            | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | 248.867        |
| Less PY Advance Procurement ( <i>\$ in Millions</i> )                                                                                         | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -              |
| Net Procurement (P1) ( <i>\$ in Millions</i> )                                                                                                | 248.867            | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | 248.867        |
| Plus CY Advance Procurement ( <i>\$ in Millions</i> )                                                                                         | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -              |
| <b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )                                                                                   | <b>248.867</b>     | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | <b>248.867</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |                    |                |                |                     |                    |                      |                |                |                |                |                    |                |
| Initial Spares ( <i>\$ in Millions</i> )                                                                                                      | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -              |
| Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )                                                                                        | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -              |

**Description:**

SSDS MK 2 implements an evolutionary acquisition of improved ship self defense capabilities against Anti-Ship Cruise Missiles for selected Carrier/Amphibious ships by integrating existing programmed Anti-Air Warfare stand alone systems. It provides an automated reaction and multi-target engagement capability emphasizing performance in the littoral environment. Integration focuses on providing capabilities for coordinating existing sensor information, providing threat identification and evaluation, assessing defensive readiness, and recommending optimized defensive tactical response to counter single and multiple Anti-Ship Cruise Missile attacks and battle for interoperability via CEC and tactical data links.

Commencing in FY15, LI 5239 was consolidated under LI 5231 in FY15 and out.

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                       |                                       |                                       |                                       |                                                                         |                                       |                                       |                                       |                                       | <b>Date:</b> February 2015                                                              |                                       |                                       |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 |                                       |                                       |                                       |                                       | <b>P-1 Line Item Number / Title:</b><br>5239 / Ship Self Defense System |                                       |                                       |                                       |                                       | <b>Modification Number / Title:</b><br>2 / UQ001 - SSDS Full Ship System Suite/Displays |                                       |                                       |  |
| <b>Models of Systems Affected:</b>                                              |                                       |                                       |                                       | <b>Modification Type:</b>             |                                                                         |                                       |                                       | <b>Related RDT&amp;E PEs:</b>         |                                       |                                                                                         |                                       |                                       |  |
| <b>Financial Plan</b>                                                           | <b>Prior Years</b>                    | <b>FY 2014</b>                        | <b>FY 2015</b>                        | <b>FY 2016 Base</b>                   | <b>FY 2016 OCO</b>                                                      | <b>FY 2016 Total</b>                  | <b>FY 2017</b>                        | <b>FY 2018</b>                        | <b>FY 2019</b>                        | <b>FY 2020</b>                                                                          | <b>To Complete</b>                    | <b>Total</b>                          |  |
|                                                                                 | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i>                                   | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i>                                                   | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> |  |
| <b>Procurement</b>                                                              |                                       |                                       |                                       |                                       |                                                                         |                                       |                                       |                                       |                                       |                                                                                         |                                       |                                       |  |
| <i>Modification Item 1 of 1:</i> UQ001 - SSDS Full Ship System Suite/Displays   |                                       |                                       |                                       |                                       |                                                                         |                                       |                                       |                                       |                                       |                                                                                         |                                       |                                       |  |
| B Kits                                                                          |                                       |                                       |                                       |                                       |                                                                         |                                       |                                       |                                       |                                       |                                                                                         |                                       |                                       |  |
| Recurring                                                                       |                                       |                                       |                                       |                                       |                                                                         |                                       |                                       |                                       |                                       |                                                                                         |                                       |                                       |  |
| 1.1.1) Full Ship System Suite/Displays (CVN) - NonOrganic                       | 6 / 65.599                            | - / -                                 | - / -                                 | - / -                                 | - / -                                                                   | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                                   | - / -                                 | 6 / 65.599                            |  |
| 1.1.2) Other Full Suite Displays - NonOrganic                                   | 18 / 113.562                          | - / -                                 | - / -                                 | - / -                                 | - / -                                                                   | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                                   | - / -                                 | 18 / 113.562                          |  |
| <i>Subtotal: Recurring</i>                                                      | - / 179.161                           | - / -                                 | - / -                                 | - / -                                 | - / -                                                                   | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                                   | - / -                                 | - / 179.161                           |  |
| <i>Subtotal: UQ001 - SSDS Full Ship System Suite/Displays</i>                   | 24 / 179.161                          | - / -                                 | - / -                                 | - / -                                 | - / -                                                                   | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                                   | - / -                                 | 24 / 179.161                          |  |
| <i>Subtotal: Procurement, All Modification Items</i>                            | - / 179.161                           | - / -                                 | - / -                                 | - / -                                 | - / -                                                                   | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                                   | - / -                                 | - / 179.161                           |  |
| <b>Installation</b>                                                             |                                       |                                       |                                       |                                       |                                                                         |                                       |                                       |                                       |                                       |                                                                                         |                                       |                                       |  |
| <i>Modification Item 1 of 1:</i> UQ001 - SSDS Full Ship System Suite/Displays   | - / 69.706                            | - / -                                 | - / -                                 | - / -                                 | - / -                                                                   | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                                   | - / -                                 | - / 69.706                            |  |
| <i>Subtotal: Installation</i>                                                   | - / 69.706                            | - / -                                 | - / -                                 | - / -                                 | - / -                                                                   | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                                   | - / -                                 | - / 69.706                            |  |
| <b>Total</b>                                                                    |                                       |                                       |                                       |                                       |                                                                         |                                       |                                       |                                       |                                       |                                                                                         |                                       |                                       |  |
| <b>Total Cost (Procurement + Support + Installation)</b>                        | <b>248.867</b>                        | -                                     | -                                     | -                                     | -                                                                       | -                                     | -                                     | -                                     | -                                     | -                                                                                       | -                                     | <b>248.867</b>                        |  |

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|---------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                         | <b>Date:</b> February 2015                                                              |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5239 / Ship Self Defense System | <b>Modification Number / Title:</b><br>2 / UQ001 - SSDS Full Ship System Suite/Displays |

**Modification Item 1 of 1:** UQ001 - SSDS Full Ship System Suite/Displays

| Manufacturer Information               |         |         |         |                                      |         |         |         |
|----------------------------------------|---------|---------|---------|--------------------------------------|---------|---------|---------|
| Manufacturer Name: New MFG - Name      |         |         |         | Manufacturer Location: New MFG - Loc |         |         |         |
| Administrative Leadtime (in Months): 0 |         |         |         | Production Leadtime (in Months): 0   |         |         |         |
| Dates                                  | FY 2014 | FY 2015 | FY 2016 | FY 2017                              | FY 2018 | FY 2019 | FY 2020 |
| Contract Dates                         |         |         |         |                                      |         |         |         |
| Delivery Dates                         |         |         |         |                                      |         |         |         |

**Installation Information**

**Method of Implementation:** AIT:: Installation Name: Full Ship System Suite/Displays (CVN)

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 6 / 20.806                     | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 6 / 20.806                     |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 6 / 20.806                     | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 6 / 20.806                     |

| Installation Schedule |     |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |    |     |
|-----------------------|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|                       | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|                       |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In                    | 6   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | 6  |     |
| Out                   | 6   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | 6  |     |

**Method of Implementation:** [none specified]:: Installation Name: Other Full Suite Displays

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 18 / 48.900                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 18 / 48.900                    |

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|---------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                         | <b>Date:</b> February 2015                                                              |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5239 / Ship Self Defense System | <b>Modification Number / Title:</b><br>2 / UQ001 - SSDS Full Ship System Suite/Displays |

**Modification Item 1 of 1:** UQ001 - SSDS Full Ship System Suite/Displays

**Installation Information**

**Method of Implementation:** [none specified]:: Installation Name: Other Full Suite Displays

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 18 / 48.900                    | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 18 / 48.900                    |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | 18  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 18  |
| Out | 18  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 18  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                         | <b>Date:</b> February 2015                                                       |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5239 / Ship Self Defense System | <b>Modification Number / Title:</b><br>3 / UQ005B - SSDS COTS<br>CONVERSION KITS |

| <b>Resource Summary</b>                                                                                                                       | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016 Base</b> | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b> | <b>FY 2018</b> | <b>FY 2019</b> | <b>FY 2020</b> | <b>To Complete</b> | <b>Total</b>   |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| Procurement Quantity <i>(Units in Each)</i>                                                                                                   | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -              |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                              | 236.475            | 47.293         | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | 283.768        |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -              |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                  | 236.475            | 47.293         | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | 283.768        |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -              |
| <b>Total Obligation Authority <i>(\$ in Millions)</i></b>                                                                                     | <b>236.475</b>     | <b>47.293</b>  | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | <b>283.768</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |                    |                |                |                     |                    |                      |                |                |                |                |                    |                |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                        | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -              |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                          | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -              |

**Description:**

SSDS MK 2 and SSDS MK 1 Commercial Off The Shelf (COTS) obsolescence technology refresh kits are funded in FY13-FY14. This P-1 line item supports several variations of COTS based systems used within the combat system. FY13-FY14 COTS Conversion Kits are planned for CVNs, LPDs, and LSDs, and COTS Upgrade Kits are planned for the Self Defense Test Ship (SDTS) and the shore sites used for SSDS software development/maintenance, training, and Combat System integration and certification testing. The COTS Tech Refresh conversion kits will support Navy Open Architecture Computing Environment (OACE) standards to facilitate use of commercial software and reuse of application software. FY13-FY14 kits are based on a Technology Insertion-12 (TI-12) configuration.

Commencing in FY15, LI 5239 was consolidated under LI 5231 in FY15 and out.

[UQ5IN FMP SHIP UNITS] FY14 unit cost details provided below:

SSDS FY14 unit costs are:

\$22,119K for (3) LSD COTS Conversion Kits, (1) of the (3) LSD COTS Conversion Kits has been redesignated for LHD2(see note below)

\$3,793K for (1) Dahlgren Shore Site Upgrade Kit - ICSTF,

\$3,792K for (1) Wallops Island Upgrade Kit.

Total Cost for 5 units in FY14 (UQ005B) is \$29,704K. Average unit cost is \$5,941K per unit. SSDS FY14 Conversion kit funding is provided to various contractors and field activities. For FY14, the network switching cabinet has been redesigned to include information assurance boundary defense devices. This equipment will be procured on a competitive build-to-print contract.

Note: Due to PB15 SSDS OPN BLI 5231 budget reductions, the installation of one LSD COTS Conversion Kit funded in FY15 for LSD47 is being canceled, and the LSD SSDS COTS Conversion Kit procured for LSD47 in FY14 is being redesignated for LHD2. This reduces the LHD2 SSDS MK2 COTS Conversion Kit procurement requirements in FY15 to offset the budget reductions, and provides all of the SSDS equipment required for the LHD2 SSDS MK2/Combat System AAW Capstone installation in FY16. The redesignated LSD COTS Conversion Kit will provide core SSDS COTS Conversion equipment for the LHD2 (common processor system equipment, network server group, system control consoles and command control group.) The additional SSDS MK2 COTS Conversion equipment required for LHD2 (common display system equipment, OD-220 consoles, monitors, communication panels, and combat system interface/conversion equipment) will be procured as a COTS Conversion Kit in FY15.

SSDS FY14 ship installation costs are as follows:

\$ 3,126K for AIT for 1 LSD kit,

\$ 2,100K for AIT for 1 LSD kit,

\$ 2,964K for 1 SDTS kit,

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                                                                                                                                                                                                                                 |                                                                         | <b>Date:</b> February 2015                                                       |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3                                                                                                                                                                                                            | <b>P-1 Line Item Number / Title:</b><br>5239 / Ship Self Defense System | <b>Modification Number / Title:</b><br>3 / UQ005B - SSDS COTS<br>CONVERSION KITS |
| <div>\$ 1,434K for (2) CVN 68 kits,<br/>\$ 1,605K for shipyard services for LHD<br/>\$ 948K for shipyard services for LSD<br/>\$ 2,013K for Advanced Planning for 1 LHD<br/>\$ 1,086K for Advanced Planning for 2 LSD<br/>-----<br/>\$15,276K Total FY14 FMP Ship Installation Costs</div> |                                                                         |                                                                                  |
|                                                                                                                                                                                                                                                                                            |                                                                         |                                                                                  |



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| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                   |                                   |                                   |                                                                  |                                   |                                   |                                   | Date: February 2015               |                                                                           |                                   |                                   |                                   |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5239 / Ship Self Defense System |                                   |                                   |                                   |                                   | Modification Number / Title:<br>3 / UQ005B - SSDS COTS<br>CONVERSION KITS |                                   |                                   |                                   |  |
| Models of Systems Affected:                                              |                                   |                                   |                                   | Modification Type:                                               |                                   |                                   |                                   |                                   | Related RDT&E PEs:                                                        |                                   |                                   |                                   |  |
| Financial Plan                                                           | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                  | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                           | FY 2019                                                                   | FY 2020                           | To<br>Complete                    | Total                             |  |
|                                                                          | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                         | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |  |
| Procurement                                                              |                                   |                                   |                                   |                                                                  |                                   |                                   |                                   |                                   |                                                                           |                                   |                                   |                                   |  |
| Modification Item 1 of 1: UQ005B - SSDS COTS<br>CONVERSION KITS          |                                   |                                   |                                   |                                                                  |                                   |                                   |                                   |                                   |                                                                           |                                   |                                   |                                   |  |
| B Kits                                                                   |                                   |                                   |                                   |                                                                  |                                   |                                   |                                   |                                   |                                                                           |                                   |                                   |                                   |  |
| Recurring                                                                |                                   |                                   |                                   |                                                                  |                                   |                                   |                                   |                                   |                                                                           |                                   |                                   |                                   |  |
| 1.1.1) UQ5IN FMP SHIP UNITS - NonOrganic <sup>(1)</sup>                  | 23 / 112.160                      | 3 / 22.119                        | - / -                             | - / -                                                            | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                     | - / -                             | - / -                             | 26 / 134.279                      |  |
| 1.1.2) UQ6IN NON FMP SHORE SITES - NonOrganic <sup>(2)</sup>             | 12 / 66.274                       | 2 / 7.585                         | - / -                             | - / -                                                            | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                     | - / -                             | - / -                             | 14 / 73.859                       |  |
| Subtotal: Recurring                                                      | - / 178.434                       | - / 29.704                        | - / -                             | - / -                                                            | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                     | - / -                             | - / -                             | - / 208.138                       |  |
| Subtotal: UQ005B - SSDS COTS CONVERSION KITS                             | 35 / 178.434                      | 5 / 29.704                        | - / -                             | - / -                                                            | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                     | - / -                             | - / -                             | 40 / 208.138                      |  |
| Subtotal: Procurement, All Modification Items                            | - / 178.434                       | - / 29.704                        | - / -                             | - / -                                                            | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                     | - / -                             | - / -                             | - / 208.138                       |  |
| Installation                                                             |                                   |                                   |                                   |                                                                  |                                   |                                   |                                   |                                   |                                                                           |                                   |                                   |                                   |  |
| Modification Item 1 of 1: UQ005B - SSDS COTS<br>CONVERSION KITS          |                                   | - / 58.041                        | - / 17.589                        | - / -                                                            | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                     | - / -                             | - / -                             | - / 75.630                        |  |
| Subtotal: Installation                                                   |                                   | - / 58.041                        | - / 17.589                        | - / -                                                            | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                     | - / -                             | - / -                             | - / 75.630                        |  |
| Total                                                                    |                                   |                                   |                                   |                                                                  |                                   |                                   |                                   |                                   |                                                                           |                                   |                                   |                                   |  |
| Total Cost (Procurement + Support + Installation)                        |                                   | 236.475                           | 47.293                            | -                                                                | -                                 | -                                 | -                                 | -                                 | -                                                                         | -                                 | -                                 | 283.768                           |  |
|                                                                          |                                   |                                   |                                   |                                                                  |                                   |                                   |                                   |                                   |                                                                           |                                   |                                   |                                   |  |

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|-------------------------------------------------------------------------------------------------------------|------------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|-------------------------------------------------------------------------|-----------|--------------------------------|-----------|--------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------|-----------|--------------------------------|-----------|----------------------------------------------------------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|----------------|-----------|-----------|-----------|-----------|------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                                                  |            |                                |           |                                |           |                                |           |                                |           | <b>Date:</b> February 2015                                              |           |                                |           |                                |                                                                                                        |                                |           |                                |           |                                                                                  |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3                             |            |                                |           |                                |           |                                |           |                                |           | <b>P-1 Line Item Number / Title:</b><br>5239 / Ship Self Defense System |           |                                |           |                                |                                                                                                        |                                |           |                                |           | <b>Modification Number / Title:</b><br>3 / UQ005B - SSDS COTS<br>CONVERSION KITS |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Modification Item 1 of 1:</b> UQ005B - SSDS COTS CONVERSION KITS                                         |            |                                |           |                                |           |                                |           |                                |           |                                                                         |           |                                |           |                                |                                                                                                        |                                |           |                                |           |                                                                                  |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Manufacturer Information</b>                                                                             |            |                                |           |                                |           |                                |           |                                |           |                                                                         |           |                                |           |                                |                                                                                                        |                                |           |                                |           |                                                                                  |           |                                |           |                                |           |                |           |           |           |           |            |
| Manufacturer Name: Raytheon Co. (FY13 for Network Switching Cabinet), TBD (FY14 Competitive) <sup>(3)</sup> |            |                                |           |                                |           |                                |           |                                |           |                                                                         |           |                                |           |                                | Manufacturer Location: San Diego, Ca. (FY13 for Network Switching Cabinet), TBD for FY14 (Competitive) |                                |           |                                |           |                                                                                  |           |                                |           |                                |           |                |           |           |           |           |            |
| Administrative Leadtime (in Months): 3                                                                      |            |                                |           |                                |           |                                |           |                                |           |                                                                         |           |                                |           |                                | Production Leadtime (in Months): 15                                                                    |                                |           |                                |           |                                                                                  |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Dates</b>                                                                                                |            | <b>FY 2014</b>                 |           |                                |           | <b>FY 2015</b>                 |           |                                |           | <b>FY 2016</b>                                                          |           |                                |           | <b>FY 2017</b>                 |                                                                                                        |                                |           | <b>FY 2018</b>                 |           |                                                                                  |           | <b>FY 2019</b>                 |           |                                |           | <b>FY 2020</b> |           |           |           |           |            |
| Contract Dates                                                                                              |            | Sep 2014                       |           |                                |           |                                |           |                                |           |                                                                         |           |                                |           |                                |                                                                                                        |                                |           |                                |           |                                                                                  |           |                                |           |                                |           |                |           |           |           |           |            |
| Delivery Dates                                                                                              |            | Dec 2015                       |           |                                |           |                                |           |                                |           |                                                                         |           |                                |           |                                |                                                                                                        |                                |           |                                |           |                                                                                  |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Installation Information</b>                                                                             |            |                                |           |                                |           |                                |           |                                |           |                                                                         |           |                                |           |                                |                                                                                                        |                                |           |                                |           |                                                                                  |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Method of Implementation:</b> Method:: Installation Name: UQ5IN FMP SHIP UNITS                           |            |                                |           |                                |           |                                |           |                                |           |                                                                         |           |                                |           |                                |                                                                                                        |                                |           |                                |           |                                                                                  |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Installation Cost</b>                                                                                    |            | <b>Prior Years</b>             |           | <b>FY 2014</b>                 |           | <b>FY 2015</b>                 |           | <b>FY 2016 Base</b>            |           | <b>FY 2016 OCO</b>                                                      |           | <b>FY 2016 Total</b>           |           | <b>FY 2017</b>                 |                                                                                                        | <b>FY 2018</b>                 |           | <b>FY 2019</b>                 |           | <b>FY 2020</b>                                                                   |           | <b>To Complete</b>             |           | <b>Total</b>                   |           |                |           |           |           |           |            |
|                                                                                                             |            | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M)                                          |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |                                                                                                        | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M)                                                   |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           |                |           |           |           |           |            |
| Prior Years                                                                                                 |            | 18 / 32.928                    |           | 5 / 12.177                     |           | - / -                          |           | - / -                          |           | - / -                                                                   |           | - / -                          |           | - / -                          |                                                                                                        | - / -                          |           | - / -                          |           | - / -                                                                            |           | - / -                          |           | - / -                          |           | 23 / 45.105    |           |           |           |           |            |
| FY 2014                                                                                                     |            | - / -                          |           | - / 3.099                      |           | - / -                          |           | 3 / -                          |           | - / -                                                                   |           | 3 / -                          |           | - / -                          |                                                                                                        | - / -                          |           | - / -                          |           | - / -                                                                            |           | - / -                          |           | - / -                          |           | 3 / 3.099      |           |           |           |           |            |
| FY 2015                                                                                                     |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                   |           | - / -                          |           | - / -                          |                                                                                                        | - / -                          |           | - / -                          |           | - / -                                                                            |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2016                                                                                                     |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                   |           | - / -                          |           | - / -                          |                                                                                                        | - / -                          |           | - / -                          |           | - / -                                                                            |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2017                                                                                                     |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                   |           | - / -                          |           | - / -                          |                                                                                                        | - / -                          |           | - / -                          |           | - / -                                                                            |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2018                                                                                                     |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                   |           | - / -                          |           | - / -                          |                                                                                                        | - / -                          |           | - / -                          |           | - / -                                                                            |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2019                                                                                                     |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                   |           | - / -                          |           | - / -                          |                                                                                                        | - / -                          |           | - / -                          |           | - / -                                                                            |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2020                                                                                                     |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                   |           | - / -                          |           | - / -                          |                                                                                                        | - / -                          |           | - / -                          |           | - / -                                                                            |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| To Complete                                                                                                 |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                   |           | - / -                          |           | - / -                          |                                                                                                        | - / -                          |           | - / -                          |           | - / -                                                                            |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| Total                                                                                                       |            | 18 / 32.928                    |           | 5 / 15.276                     |           | - / -                          |           | 3 / -                          |           | - / -                                                                   |           | 3 / -                          |           | - / -                          |                                                                                                        | - / -                          |           | - / -                          |           | - / -                                                                            |           | - / -                          |           | - / -                          |           | 26 / 48.204    |           |           |           |           |            |
| <b>Installation Schedule</b>                                                                                |            |                                |           |                                |           |                                |           |                                |           |                                                                         |           |                                |           |                                |                                                                                                        |                                |           |                                |           |                                                                                  |           |                                |           |                                |           |                |           |           |           |           |            |
|                                                                                                             | <b>PYS</b> | <b>FY 2014</b>                 |           |                                |           | <b>FY 2015</b>                 |           |                                |           | <b>FY 2016</b>                                                          |           |                                |           | <b>FY 2017</b>                 |                                                                                                        |                                |           | <b>FY 2018</b>                 |           |                                                                                  |           | <b>FY 2019</b>                 |           |                                |           | <b>FY 2020</b> |           |           |           | <b>TC</b> | <b>Tot</b> |
|                                                                                                             |            | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                                                               | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b>                                                                                              | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                                                                        | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> |           |            |
| In                                                                                                          | 18         | -                              | -         | 1                              | 4         | -                              | -         | -                              | -         | -                                                                       | 1         | 1                              | 1         | -                              | -                                                                                                      | -                              | -         | -                              | -         | -                                                                                | -         | -                              | -         | -                              | -         | -              | -         | -         | -         | -         | 26         |
| Out                                                                                                         | 14         | 4                              | -         | -                              | 1         | 4                              | -         | -                              | -         | 1                                                                       | -         | -                              | 1         | 1                              | -                                                                                                      | -                              | -         | -                              | -         | -                                                                                | -         | -                              | -         | -                              | -         | -              | -         | -         | -         | -         | 26         |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                         | <b>Date:</b> February 2015                                                       |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5239 / Ship Self Defense System | <b>Modification Number / Title:</b><br>3 / UQ005B - SSDS COTS<br>CONVERSION KITS |

**Modification Item 1 of 1:** UQ005B - SSDS COTS CONVERSION KITS

**Installation Information**

**Method of Implementation:** Method:: Installation Name: UQ6IN NON FMP SHORE SITES

| Installation Cost | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                   | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                           | FY 2019                           | FY 2020                           | To<br>Complete                    | Total                             |
|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
|                   | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |
| Prior Years       | 9 / 25.113                        | 3 / 1.900                         | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | 12 / 27.013                       |
| FY 2014           | - / -                             | - / 0.413                         | 2 / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | 2 / 0.413                         |
| FY 2015           | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             |
| FY 2016           | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             |
| FY 2017           | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             |
| FY 2018           | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             |
| FY 2019           | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             |
| FY 2020           | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             |
| To Complete       | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             |
| Total             | 9 / 25.113                        | 3 / 2.313                         | 2 / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | 14 / 27.426                       |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | 9   | -       | -  | 1  | 2  | -       | -  | 2  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 14  |
| Out | 7   | 2       | -  | -  | 1  | 2       | -  | -  | 2  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 14  |

**Footnotes:**

- (1) The cost for the ship and shore site kits vary depending on the specific ship class (CVN, LPD, LSD, LHA, and LHD), the specific shore site and the existing configuration of the ship/site involved. See the P-3A Description for specific details.
- (2) The cost for the ship and shore site kits vary depending on the specific ship class (CVN, LPD, LHA, and LHD), the specific shore site and the existing configuration of the ship/site involved. See P-3A Description for specific details. For FY13, Long lead material contract was awarded for the procurement of network switching cabinet to support the installation required delivery date. For FY14, competitive build to print production contracts for unique SSDS equipment are planned for award.
- (3) For FY13, Long lead material contract was awarded for the procurement of network switching cabinet to support the installation required delivery date. For FY14, competitive build to print production contracts for unique SSDS equipment are planned.

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|----------------|------------------------------------------------------------------------|--------------------|----------------------|------------------------------------------------------------------------|---------------------------------------------------------------------|----------------|----------------------------|--------------------|----------------|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                |                |                                                                        |                    |                      |                                                                        |                                                                     |                | <b>Date:</b> February 2015 |                    |                |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                |                |                                                                        |                    |                      | <b>P-1 Line Item Number / Title:</b><br>5246 / AEGIS Support Equipment |                                                                     |                |                            |                    |                |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                |                | <b>Program Elements for Code B Items:</b> 0204228N, 0204225N, 0204221N |                    |                      |                                                                        | <b>Other Related Program Elements:</b> 0604574N, 0604501N, 0604307N |                |                            |                    |                |
| <b>Resource Summary</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016 Base</b>                                                    | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b>                                                         | <b>FY 2018</b>                                                      | <b>FY 2019</b> | <b>FY 2020</b>             | <b>To Complete</b> | <b>Total</b>   |
| Procurement Quantity ( <i>Units in Each</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                  | -              | -              | -                                                                      | -                  | -                    | -                                                                      | -                                                                   | -              | -                          | -                  | -              |
| Gross/Weapon System Cost ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 834.742            | 59.757         | -              | -                                                                      | -                  | -                    | -                                                                      | -                                                                   | -              | -                          | -                  | 894.499        |
| Less PY Advance Procurement ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                  | -              | -              | -                                                                      | -                  | -                    | -                                                                      | -                                                                   | -              | -                          | -                  | -              |
| Net Procurement (P1) ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 834.742            | 59.757         | -              | -                                                                      | -                  | -                    | -                                                                      | -                                                                   | -              | -                          | -                  | 894.499        |
| Plus CY Advance Procurement ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                  | -              | -              | -                                                                      | -                  | -                    | -                                                                      | -                                                                   | -              | -                          | -                  | -              |
| <b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>834.742</b>     | <b>59.757</b>  | -              | -                                                                      | -                  | -                    | -                                                                      | -                                                                   | -              | -                          | -                  | <b>894.499</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                |                |                                                                        |                    |                      |                                                                        |                                                                     |                |                            |                    |                |
| Initial Spares ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                  | 8.690          | -              | -                                                                      | -                  | -                    | -                                                                      | -                                                                   | -              | -                          | -                  | 8.690          |
| Flyaway Unit Cost ( <i>\$ in Dollars</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                  | -              | -              | -                                                                      | -                  | -                    | -                                                                      | -                                                                   | -              | -                          | -                  | -              |
| Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                  | -              | -              | -                                                                      | -                  | -                    | -                                                                      | -                                                                   | -              | -                          | -                  | -              |
| <b>Description:</b><br>Provides equipment procurement and installation support for AEGIS Shore Facilities and Shipboard Upgrades to AEGIS Cruisers and Destroyers required to maintain the readiness of the AEGIS Weapon System in support of Combatant Commanders requirements. FY15 and out the budget transferred to 5231 Ship Missile Support Equipment.<br>Combat System Procurements:<br>L7001: Special Tools & Test Equipment<br>L7003: Computers, Displays, and Simulators for Integrated Warfare Systems Laboratory (IWSL) at Dahlgren, VA<br>L7006: Weapon/Combat System Equipment for Surface Combat System Center (SCSC) at Wallops Island, VA<br>L7007: Weapon/Combat System Equipment for AEGIS Readiness Training Center (ATRC) at Dahlgren, VA<br>L7011: AEGIS Weapon System Procurements to support Ship Change Documents<br>L7027: AEGIS Software License Procurements to support Shore Facilities and In-Service Ship<br>L7600: AEGIS Installation support for approved ship changes |                    |                |                |                                                                        |                    |                      |                                                                        |                                                                     |                |                            |                    |                |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------|--|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                              |  |  |                                                                        |                                                                        |                                                                     | <b>Date:</b> February 2015 |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3:<br>Ship Missile Systems Equipment |  |  |                                                                        | <b>P-1 Line Item Number / Title:</b><br>5246 / AEGIS Support Equipment |                                                                     |                            |  |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                      |  |  | <b>Program Elements for Code B Items:</b> 0204228N, 0204225N, 0204221N |                                                                        | <b>Other Related Program Elements:</b> 0604574N, 0604501N, 0604307N |                            |  |

| Exhibits Schedule                     |          |          | Prior Years                              | FY 2014                                  | FY 2015                                  | FY 2016 Base                             | FY 2016 OCO                              | FY 2016 Total                            |
|---------------------------------------|----------|----------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| Title*                                | Exhibits | ID<br>CD | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) |
| AEGIS Support Equipment               | P-40a    |          | - / 834.742                              | - / 59.757                               | - / -                                    | - / -                                    | - / -                                    | - / -                                    |
| <b>Total Gross/Weapon System Cost</b> |          |          | <b>- / 834.742</b>                       | <b>- / 59.757</b>                        | <b>- / -</b>                             | <b>- / -</b>                             | <b>- / -</b>                             | <b>- / -</b>                             |

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

**Justification:**

L7001: Provides funding to procure and maintain special test equipment (Adaptive Diagnostic Electronic Portable Test Set(ADEPT)/Radiation Probes) to support Maintenance and Troubleshooting efforts for the AEGIS Weapon System on Deployed Units and Critical shore sites.

L7003: Provides funding to procure and maintain IWSL Weapons System and support infrastructure to support fleet issues resolution within the AEGIS Weapon System.

L7006: Provides funding to procure and maintain SCSC Weapons and Combat systems and support infrastructure to support fleet training requirements and integration and test efforts required to complete Weapon and Combat System Certification.

L7007: Provides funding to procure and maintain SCSC Weapons and Combat systems and support infrastructure to support fleet training requirements for Operation and Maintenance of the AEGIS Weapon System.

L7011: Provides funding to address fleet hardware issues related to equipment obsolescence, High Failure, or to reduce maintenance costs and improve the readiness of the AEGIS Fleet.

L7600: Provides funding to complete installation of ORDALTS and other Ship Changes designed to improve the readiness of the AEGIS Combat System.

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy               |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   | Date: February 2015                                |            |                   |                |            |                   |
|-------------------------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|-----------------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------------------------------------------|------------|-------------------|----------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3                  |       |                |                |            |                   | P-1 Line Item Number / Title:<br>5246 / AEGIS Support Equipment |            |                   |                |            |                   |                |            |                   | Aggregated Items Title:<br>AEGIS Support Equipment |            |                   |                |            |                   |
| Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding. |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   |                                                    |            |                   |                |            |                   |
| Item Number / Title [DODIC]                                                               | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014                                                         |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO                                        |            |                   | FY 2016 Total  |            |                   |
|                                                                                           |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                                  | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                     | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) Aegis Support Equipment                                                                |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   |                                                    |            |                   |                |            |                   |
| 1.1) L7001 - Depot Special Tooling/Test Equipment                                         | A     |                | -              | -          | 41.200            | -                                                               | -          | 4.879             | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| 1.2) L7003 - Integrated Warfare Systems Laboratory                                        | A     |                | -              | -          | 38.278            | -                                                               | -          | 2.461             | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| 1.3) L7006 - Surface Combat Systems Center Equipment                                      | A     |                | -              | -          | 38.234            | -                                                               | -          | 2.656             | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| 1.4) L7011 - Aegis Weapon System Ship Change Procurement (1)                              | A     |                | -              | -          | 288.721           | -                                                               | -          | 13.796            | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| 1.5) L7025 - CG/DDG COTS Tech Refresh                                                     | A     |                | -              | -          | 60.482            | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| 1.6) L7027 - Computer Program Software Licenses (2)                                       | A     |                | -              | -          | 17.573            | -                                                               | -          | 9.853             | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| 1.7) L7CA6 - ADEPT Congressional Add                                                      | A     |                | -              | -          | 1.000             | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| 1.8) L7600 - Aegis Support Equipment Installation                                         | A     |                | -              | -          | 149.427           | -                                                               | -          | 8.009             | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| Subtotal: 1) Aegis Support Equipment                                                      |       |                | -              | -          | 634.915           | -                                                               | -          | 41.654            | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| 2) L7007 Aegis Training and Readiness Center                                              |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   |                                                    |            |                   |                |            |                   |
| 2.1) L7007 - Aegis Training & Readiness Center                                            | A     |                | -              | -          | 30.299            | -                                                               | -          | 1.403             | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| 2.2) L7007 Aegis Readiness Training Center Upgrade (3)                                    | A     |                | -              | -          | 24.552            | -                                                               | -          | 16.700            | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| Subtotal: 2) L7007 Aegis Training and Readiness Center                                    |       |                | -              | -          | 54.851            | -                                                               | -          | 18.103            | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| 3) L7013 Common Class Equipment CCE                                                       |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   |                                                    |            |                   |                |            |                   |
| 3.1) L7013 - Class Common Equipment                                                       | A     |                | -              | -          | 32.981            | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| Subtotal: 3) L7013 Common Class Equipment CCE                                             |       |                | -              | -          | 32.981            | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| 4) L7026 - Ship Control Systems                                                           |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   |                                                    |            |                   |                |            |                   |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  |  | <b>Date:</b> February 2015                                |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5246 / AEGIS Support Equipment |  |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>AEGIS Support Equipment |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]               | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|-------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                           |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 4.1) L7026 - Ship Control Systems         | A     |                | -              | -          | 33.411            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 4.3) L7070- Combat Support Shipalts       | A     |                | -              | -          | 78.584            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 4) L7026 - Ship Control Systems |       |                | -              | -          | 111.995           | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <b>Total</b>                              |       |                | -              | -          | <b>834.742</b>    | -              | -          | <b>59.757</b>     | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |

**Footnotes:**

- (1) FY14 Procurements focused on 400Hz Power Converters enhancements, Cooling and Air Enhancements, SPY Sidewall Capacitors, AEGIS BL 7.2 Hardware, and Shipboard Peripherals Replacement System (SPRS) Procurements all designed to improve the operational effectiveness of the AEGIS Combat System.
- (2) FY14 Increase to procure software licenses for AEGIS Land Based Test Sites and Fielded AEGIS Cruisers and Destroyers.
- (3) FY14 Increase to procure AEGIS BL 9 Equipment to support AEGIS ACB12 technician and operator training requirements and fleet introduction.



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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                           |                    |                                |                |                                           |                    |                      |                                                                           |                                        |                | <b>Date:</b> February 2015 |                    |                   |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment |                    |                                |                |                                           |                    |                      | <b>P-1 Line Item Number / Title:</b><br>5253 / Tomahawk Support Equipment |                                        |                |                            |                    |                   |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                   |                    |                                |                | <b>Program Elements for Code B Items:</b> |                    |                      |                                                                           | <b>Other Related Program Elements:</b> |                |                            |                    |                   |
| <b>Line Item MDAP/MAIS Code:</b> 289                                                                                                                                        |                    | <b>Item MDAP/MAIS Code(s):</b> |                |                                           |                    |                      |                                                                           |                                        |                |                            |                    |                   |
| <b>Resource Summary</b>                                                                                                                                                     | <b>Prior Years</b> | <b>FY 2014</b>                 | <b>FY 2015</b> | <b>FY 2016 Base</b>                       | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b>                                                            | <b>FY 2018</b>                         | <b>FY 2019</b> | <b>FY 2020</b>             | <b>To Complete</b> | <b>Total</b>      |
| Procurement Quantity ( <i>Units in Each</i> )                                                                                                                               | -                  | -                              | -              | -                                         | -                  | -                    | -                                                                         | -                                      | -              | -                          | -                  | -                 |
| Gross/Weapon System Cost ( <i>\$ in Millions</i> )                                                                                                                          | 418.375            | 63.371                         | 60.062         | 71.245                                    | -                  | 71.245               | 73.995                                                                    | 73.505                                 | 73.007         | 73.118                     | Continuing         | Continuing        |
| Less PY Advance Procurement ( <i>\$ in Millions</i> )                                                                                                                       | -                  | -                              | -              | -                                         | -                  | -                    | -                                                                         | -                                      | -              | -                          | -                  | -                 |
| Net Procurement (P1) ( <i>\$ in Millions</i> )                                                                                                                              | 418.375            | 63.371                         | 60.062         | 71.245                                    | -                  | 71.245               | 73.995                                                                    | 73.505                                 | 73.007         | 73.118                     | Continuing         | Continuing        |
| Plus CY Advance Procurement ( <i>\$ in Millions</i> )                                                                                                                       | -                  | -                              | -              | -                                         | -                  | -                    | -                                                                         | -                                      | -              | -                          | -                  | -                 |
| <b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )                                                                                                                 | <b>418.375</b>     | <b>63.371</b>                  | <b>60.062</b>  | <b>71.245</b>                             | <b>-</b>           | <b>71.245</b>        | <b>73.995</b>                                                             | <b>73.505</b>                          | <b>73.007</b>  | <b>73.118</b>              | <b>Continuing</b>  | <b>Continuing</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>                               |                    |                                |                |                                           |                    |                      |                                                                           |                                        |                |                            |                    |                   |
| Initial Spares ( <i>\$ in Millions</i> )                                                                                                                                    | -                  | 0.158                          | 0.387          | 0.161                                     | -                  | 0.161                | 0.216                                                                     | 0.220                                  | 0.277          | 0.152                      | Continuing         | Continuing        |
| Flyaway Unit Cost ( <i>\$ in Dollars</i> )                                                                                                                                  | -                  | -                              | -              | -                                         | -                  | -                    | -                                                                         | -                                      | -              | -                          | -                  | -                 |
| Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )                                                                                                                      | -                  | -                              | -              | -                                         | -                  | -                    | -                                                                         | -                                      | -              | -                          | -                  | -                 |

**Description:**

The Theater Mission Planning Center (TMPC) previously referred to as Tomahawk Command and Control System (TC2S) consists of Commercial and Government Off-The-Shelf (COTS/GOTS) software and COTS hardware. TMPC provides targeting, mission planning, strike planning, mission distribution, command & control, and employment capabilities for Tomahawk Land Attack Missile (TLAM). Continuous TMPC software modification decreases mission planning time and increases the quality and accuracy of each mission while reducing complexity. TMPC provides mission planning at the theater and operational levels and is designed for high rate mission planning production responsive to national strategic, operational, and tactical requirements. TMPC develops and distributes missions for the Tomahawk Missile; provides command information services for TWS; provides strike planning, execution, coordination, control and reporting, and provides Maritime Component Commanders (MCC) the capability to plan or modify conventional Tomahawk Land-Attack Missile (TLAM) missions. TMPC has evolved into scalable configurations deployed in four configurations at 180 sites: Cruise Missile Support Activities (CMSAs) (3+1 FMS), Tomahawk Strike Mission Planning Cells (TSMPCs) (3 - C5F, C6F, C7F), Carrier Strike Groups (CSGs) (16 - 10 CVN), Firing Units (FRUs) (84 Surface/56 Submarines), Fleet Training Sites and Labs (17).

Funds provide for systems engineering, testing, Independent Verification & Validation (IV&V), Security Accreditation, installation, Site Acceptance Testing (SAT), user familiarization of products and hardware to support command and control nodes. The Selective Availability Anti-Spoofing Module (SAASM) Global Positioning System (GPS) capability, workflow improvements to Mission Planning, Strike Planning & Execution and TWS Single System initiative are included in this line to transition to a Service Oriented Architecture, improve TCS "Kill Chain" planning and communications architecture and system effectiveness. Also, this funding line provides for Commercial-off-the-Shelf/Government-off-the-Shelf (COTS/GOTS) refreshment, engineering changes, software upgrades, and associated SSNs/DDGs/CGs/CVN logistics, and infrastructure to maintain compatibility and interoperability with existing and future TMPC system configurations.

Surface and Submarine Tactical Tomahawk Weapon Control System (TTWCS) is a post milestone III program executing its first major tech refresh since its 2004 IOC. The first phase of this tech refresh partially resolves processor component obsolescence. The final phase completes all hardware and software obsolescence efforts and will be fleet released in 2016. TTWCS functions include: Tasking validation (missile mission matching), planning of over the water routes, initialization, preparation and launch of BLK III/IV missiles. TTWCS reduced response time and increased operational flexibility through addition of Launch Platform Mission Planning (LPMP), and in-flight monitoring and control of Blk IV missiles. Final Phase efforts began in FY12 and consist of the completion of full TTWCS hardware technology refresh, C4I Web services interfaces and operability to be fielded in backfit firing units. In addition, funds provided to continue TTWCS viability in TTWCS v5.6 and ensure compliance with cyber security mandates, continue to address hardware obsolescence through periodic COTS hardware refresh and periodically refresh of GOTS software to address obsolescence, support migration from 32 bit to 64 bit architecture and migrate away from legacy Ada code. Finally it will allow reduction of system complexity and incorporation of critical software fixes. Program options are being identified that will enable TWS integration into future platforms. Included in those options will be changes necessary for TTWCS to ensure required functionality as the missile is modernized beginning in FY19.

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------|----------------------------------------|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                              |                                           |                                                                           | <b>Date:</b> February 2015             |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3:<br>Ship Missile Systems Equipment |                                           | <b>P-1 Line Item Number / Title:</b><br>5253 / Tomahawk Support Equipment |                                        |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                      | <b>Program Elements for Code B Items:</b> |                                                                           | <b>Other Related Program Elements:</b> |
| <b>Line Item MDAP/MAIS Code:</b> 289                                                                                                                                           | <b>Item MDAP/MAIS Code(s):</b>            |                                                                           |                                        |
|                                                                                                                                                                                |                                           |                                                                           |                                        |

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |                                |                                                  |                                                  |                                                                           |                                                  | <b>Date:</b> February 2015                       |                                                  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                                |                                                  |                                                  | <b>P-1 Line Item Number / Title:</b><br>5253 / Tomahawk Support Equipment |                                                  |                                                  |                                                  |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                                | <b>Program Elements for Code B Items:</b>        |                                                  |                                                                           | <b>Other Related Program Elements:</b>           |                                                  |                                                  |
| <b>Line Item MDAP/MAIS Code:</b> 289                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 | <b>Item MDAP/MAIS Code(s):</b> |                                                  |                                                  |                                                                           |                                                  |                                                  |                                                  |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                                | <b>Prior Years</b>                               | <b>FY 2014</b>                                   | <b>FY 2015</b>                                                            | <b>FY 2016 Base</b>                              | <b>FY 2016 OCO</b>                               | <b>FY 2016 Total</b>                             |
| <b>Title*</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Exhibits</b> | <b>ID CD</b>                   | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                          | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| 1 / 525300, TOMAHAWK Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | P-5             |                                | - / 418.375                                      | - / 63.371                                       | - / 60.062                                                                | - / 71.245                                       | - / -                                            | - / 71.245                                       |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |                                | <b>- / 418.375</b>                               | <b>- / 63.371</b>                                | <b>- / 60.062</b>                                                         | <b>- / 71.245</b>                                | <b>- / -</b>                                     | <b>- / 71.245</b>                                |
| *Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                                |                                                  |                                                  |                                                                           |                                                  |                                                  |                                                  |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                |                                                  |                                                  |                                                                           |                                                  |                                                  |                                                  |
| <p><b>Justification:</b></p> <p>Funding is required to resolve remaining TTWCS hardware/software obsolescence issues (v5.4.0.2) and continue fielding version 5.4.0. Funds also provide for integration, modernization and interoperability efforts necessary to keep pace with changes, retain capability and exploit capabilities of internal (TWS All-Up-Round missile and TTWCS) and external (Modernized Integrated Data Base (MIDB)), National Geospatial Intelligence Agency (NGA) products, Distributed Common Ground Systems (DCGS) Integrated Backbone (DIB) compliance, Future Imagery Architecture (FIA) imagery formats and Intelligence Surveillance &amp; Reconnaissance (ISR) interfaces, Network Centric Enterprise Services (NCES), Global Information Grid/Internet Protocol (GIG/IP) (V)6, FORCEnet compliance systems/interfaces to the effectiveness of the TWS, into TMPC deployed configurations. Funding supporting TTWCS is appropriately phased to complete the 1st major tech refresh since IOC in 2004.</p> <p>Additional funding is required FY16 to comply with commercial hardware/software supportability mandates, obsolescence, information assurance requirements and to maintain pace with modern computing architectures.</p> <p>Funds are also required to initiate and continue the upgrade of unsupportable and obsolete software in the Tomahawk Planning System (TPS). The current TPS software is rapidly becoming obsolete, unsupportable, and incompatible with DoD security mandates making it more susceptible to Cyber-attack. Funding also addresses the National Geospatial-Intelligence Agency (NGA) imagery format change planned for June 2018. The Tomahawk Weapon System cannot execute a mission successfully without the NGA imagery used by TMPC for precision targeting and mission planning. This line also funds the implementation of the TMPC Enterprise Network (TEN) necessary to rapidly and effectively manage the distribution of software patches to all operational sites without compromising system's Authority to Operate (ATO). Instead of funding costly site installation teams, new TMPC software releases and patches would be deployed to all operational sites electronically. The TEN would be capable of: (1) remote promulgation of security policies, Information Assurance Vulnerability Assessments (IAVA) security patches, and anti-virus definitions to keep pace with increasing IA mandates; (2) remote Configuration Management (CM) from a central location for the definition, control, distribution and implementation of official releases and configurations; (3) remote audit and help desk maintenance support for all TMPC configurations; and (4) Continuity of Operations (COOP) during site system failures or natural disasters. FY16 continues TEN implementation and the TPS rewrite upgrade.</p> |                 |                                |                                                  |                                                  |                                                                           |                                                  |                                                  |                                                  |

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| Exhibit P-5, Cost Analysis: PB 2016 Navy                                                                                               |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |               | Date: February 2015                                                    |                   |               |                      |                   |               |                      |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3                                                               |                   |               |                      |                   |               | P-1 Line Item Number / Title:<br>5253 / Tomahawk Support Equipment |                   |               |                      |                   |               | Item Number / Title [DODIC]:<br>1 / 525300, TOMAHAWK Support Equipment |                   |               |                      |                   |               |                      |
| ID Code (A=Service Ready, B=Not Service Ready) :                                                                                       |                   |               |                      |                   |               |                                                                    |                   |               |                      | MDAP/MAIS Code:   |               |                                                                        |                   |               |                      |                   |               |                      |
| Resource Summary                                                                                                                       |                   |               |                      | Prior Years       |               | FY 2014                                                            |                   | FY 2015       |                      | FY 2016 Base      |               | FY 2016 OCO                                                            |                   | FY 2016 Total |                      |                   |               |                      |
| Procurement Quantity <i>(Units in Each)</i>                                                                                            |                   |               |                      | -                 |               | -                                                                  |                   | -             |                      | -                 |               | -                                                                      |                   | -             |                      |                   |               |                      |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                       |                   |               |                      | 418.375           |               | 63.371                                                             |                   | 60.062        |                      | 71.245            |               | -                                                                      |                   | 71.245        |                      |                   |               |                      |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                    |                   |               |                      | -                 |               | -                                                                  |                   | -             |                      | -                 |               | -                                                                      |                   | -             |                      |                   |               |                      |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                           |                   |               |                      | 418.375           |               | 63.371                                                             |                   | 60.062        |                      | 71.245            |               | -                                                                      |                   | 71.245        |                      |                   |               |                      |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                    |                   |               |                      | -                 |               | -                                                                  |                   | -             |                      | -                 |               | -                                                                      |                   | -             |                      |                   |               |                      |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                     |                   |               |                      | 418.375           |               | 63.371                                                             |                   | 60.062        |                      | 71.245            |               | -                                                                      |                   | 71.245        |                      |                   |               |                      |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |               |                                                                        |                   |               |                      |                   |               |                      |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                 |                   |               |                      | -                 |               | 0.158                                                              |                   | 0.387         |                      | 0.161             |               | -                                                                      |                   | 0.161         |                      |                   |               |                      |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                   |                   |               |                      | -                 |               | -                                                                  |                   | -             |                      | -                 |               | -                                                                      |                   | -             |                      |                   |               |                      |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.                                                |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |               |                                                                        |                   |               |                      |                   |               |                      |
| Cost Elements                                                                                                                          | Prior Years       |               |                      | FY 2014           |               |                                                                    | FY 2015           |               |                      | FY 2016 Base      |               |                                                                        | FY 2016 OCO       |               |                      | FY 2016 Total     |               |                      |
|                                                                                                                                        | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M)                                               | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M)                                                   | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) |
| Hardware - TTWCS Cost                                                                                                                  |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |               |                                                                        |                   |               |                      |                   |               |                      |
| Recurring Cost                                                                                                                         |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |               |                                                                        |                   |               |                      |                   |               |                      |
| 1.1.1) Tactical Tomahawk Weapon Control System (TTWCS) Hardware <sup>(1)</sup>                                                         | -                 | -             | 8.940                | -                 | -             | 1.417                                                              | -                 | -             | 1.460                | -                 | -             | 1.504                                                                  | -                 | -             | -                    | -                 | -             | 1.504                |
| Subtotal: Recurring Cost                                                                                                               | -                 | -             | 8.940                | -                 | -             | 1.417                                                              | -                 | -             | 1.460                | -                 | -             | 1.504                                                                  | -                 | -             | -                    | -                 | -             | 1.504                |
| Subtotal: Hardware - TTWCS Cost                                                                                                        | -                 | -             | 8.940                | -                 | -             | 1.417                                                              | -                 | -             | 1.460                | -                 | -             | 1.504                                                                  | -                 | -             | -                    | -                 | -             | 1.504                |
| Hardware - HARDWARE RECURRING SUPPORT - TTWCS Cost                                                                                     |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |               |                                                                        |                   |               |                      |                   |               |                      |
| Recurring Cost                                                                                                                         |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |               |                                                                        |                   |               |                      |                   |               |                      |
| 2.1.1) TTWCS Product Improvement <sup>(2)</sup>                                                                                        | -                 | -             | 102.592              | -                 | -             | 11.201                                                             | -                 | -             | 9.116                | -                 | -             | 15.495                                                                 | -                 | -             | -                    | -                 | -             | 15.495               |
| Subtotal: Recurring Cost                                                                                                               | -                 | -             | 102.592              | -                 | -             | 11.201                                                             | -                 | -             | 9.116                | -                 | -             | 15.495                                                                 | -                 | -             | -                    | -                 | -             | 15.495               |
| Subtotal: Hardware - HARDWARE RECURRING SUPPORT - TTWCS Cost                                                                           | -                 | -             | 102.592              | -                 | -             | 11.201                                                             | -                 | -             | 9.116                | -                 | -             | 15.495                                                                 | -                 | -             | -                    | -                 | -             | 15.495               |
| Hardware - TMPC Cost                                                                                                                   |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |               |                                                                        |                   |               |                      |                   |               |                      |
| Recurring Cost                                                                                                                         |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |               |                                                                        |                   |               |                      |                   |               |                      |
| 3.1.1) Tomahawk Mission Planning Center (TMPC) Hardware <sup>(3)</sup>                                                                 | -                 | -             | 13.805               | -                 | -             | 2.769                                                              | -                 | -             | 2.427                | -                 | -             | 3.870                                                                  | -                 | -             | -                    | -                 | -             | 3.870                |
| Subtotal: Recurring Cost                                                                                                               | -                 | -             | 13.805               | -                 | -             | 2.769                                                              | -                 | -             | 2.427                | -                 | -             | 3.870                                                                  | -                 | -             | -                    | -                 | -             | 3.870                |

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| Exhibit P-5, Cost Analysis: PB 2016 Navy                                                |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   | Date: February 2015 |                                                                        |                   |               |                      |                   |               |                      |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3                |                   |               |                      |                   |               | P-1 Line Item Number / Title:<br>5253 / Tomahawk Support Equipment |                   |               |                      |                   |                     | Item Number / Title [DODIC]:<br>1 / 525300, TOMAHAWK Support Equipment |                   |               |                      |                   |               |                      |
| ID Code (A=Service Ready, B=Not Service Ready) :                                        |                   |               |                      |                   |               |                                                                    |                   |               |                      | MDAP/MAIS Code:   |                     |                                                                        |                   |               |                      |                   |               |                      |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding. |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |                     |                                                                        |                   |               |                      |                   |               |                      |
| Cost Elements                                                                           | Prior Years       |               |                      | FY 2014           |               |                                                                    | FY 2015           |               |                      | FY 2016 Base      |                     |                                                                        | FY 2016 OCO       |               |                      | FY 2016 Total     |               |                      |
|                                                                                         | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M)                                               | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each)       | Total Cost<br>(\$ M)                                                   | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) |
| Subtotal: Hardware - TMPC Cost                                                          | -                 | -             | 13.805               | -                 | -             | 2.769                                                              | -                 | -             | 2.427                | -                 | -                   | 3.870                                                                  | -                 | -             | -                    | -                 | -             | 3.870                |
| Hardware - HARDWARE RECURRING SUPPORT - TMPC Cost                                       |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |                     |                                                                        |                   |               |                      |                   |               |                      |
| Recurring Cost                                                                          |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |                     |                                                                        |                   |               |                      |                   |               |                      |
| 4.1.1) TMPC Product Improvements <sup>(4)</sup>                                         | -                 | -             | 85.083               | -                 | -             | 17.724                                                             | -                 | -             | 18.224               | -                 | -                   | 18.636                                                                 | -                 | -             | -                    | -                 | -             | 18.636               |
| Subtotal: Recurring Cost                                                                | -                 | -             | 85.083               | -                 | -             | 17.724                                                             | -                 | -             | 18.224               | -                 | -                   | 18.636                                                                 | -                 | -             | -                    | -                 | -             | 18.636               |
| Subtotal: Hardware - HARDWARE RECURRING SUPPORT - TMPC Cost                             | -                 | -             | 85.083               | -                 | -             | 17.724                                                             | -                 | -             | 18.224               | -                 | -                   | 18.636                                                                 | -                 | -             | -                    | -                 | -             | 18.636               |
| Support - Support - TTWCS Cost                                                          |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |                     |                                                                        |                   |               |                      |                   |               |                      |
| 5.1) TTWCS Production Engineering <sup>(5)</sup>                                        | -                 | -             | 20.362               | -                 | -             | 0.713                                                              | -                 | -             | 1.048                | -                 | -                   | 1.018                                                                  | -                 | -             | -                    | -                 | -             | 1.018                |
| 5.2) TTWCS Integrated Logistic Support <sup>(6)</sup>                                   | -                 | -             | 66.617               | -                 | -             | 12.144                                                             | -                 | -             | 10.048               | -                 | -                   | 9.982                                                                  | -                 | -             | -                    | -                 | -             | 9.982                |
| Subtotal: Support - Support - TTWCS Cost                                                | -                 | -             | 86.979               | -                 | -             | 12.857                                                             | -                 | -             | 11.096               | -                 | -                   | 11.000                                                                 | -                 | -             | -                    | -                 | -             | 11.000               |
| Support - TMPC Cost                                                                     |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |                     |                                                                        |                   |               |                      |                   |               |                      |
| 6.1) TMPC Production Engineering <sup>(7)</sup>                                         | -                 | -             | 24.302               | -                 | -             | 4.208                                                              | -                 | -             | 3.840                | -                 | -                   | 4.295                                                                  | -                 | -             | -                    | -                 | -             | 4.295                |
| 6.2) TMPC Production Support <sup>(8)</sup>                                             | -                 | -             | 23.229               | -                 | -             | 3.448                                                              | -                 | -             | 3.665                | -                 | -                   | 4.032                                                                  | -                 | -             | -                    | -                 | -             | 4.032                |
| 6.3) TMPC Integrated Logistic Support <sup>(9)</sup>                                    | -                 | -             | 49.417               | -                 | -             | 9.747                                                              | -                 | -             | 10.234               | -                 | -                   | 12.413                                                                 | -                 | -             | -                    | -                 | -             | 12.413               |
| Subtotal: Support - TMPC Cost                                                           | -                 | -             | 96.948               | -                 | -             | 17.403                                                             | -                 | -             | 17.739               | -                 | -                   | 20.740                                                                 | -                 | -             | -                    | -                 | -             | 20.740               |
| Support - ILS INSTALLATIONS Cost                                                        |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |                     |                                                                        |                   |               |                      |                   |               |                      |
| 7.1) FMP Installations                                                                  | -                 | -             | 15.139               | -                 | -             | -                                                                  | -                 | -             | -                    | -                 | -                   | -                                                                      | -                 | -             | -                    | -                 | -             | -                    |
| Subtotal: Support - ILS INSTALLATIONS Cost                                              | -                 | -             | 15.139               | -                 | -             | -                                                                  | -                 | -             | -                    | -                 | -                   | -                                                                      | -                 | -             | -                    | -                 | -             | -                    |
| Support - Miscellaneous Cost                                                            |                   |               |                      |                   |               |                                                                    |                   |               |                      |                   |                     |                                                                        |                   |               |                      |                   |               |                      |
| 8.1) TTWCS Other Cost                                                                   | -                 | -             | 8.889                | -                 | -             | -                                                                  | -                 | -             | -                    | -                 | -                   | -                                                                      | -                 | -             | -                    | -                 | -             | -                    |
| Subtotal: Support - Miscellaneous Cost                                                  | -                 | -             | 8.889                | -                 | -             | -                                                                  | -                 | -             | -                    | -                 | -                   | -                                                                      | -                 | -             | -                    | -                 | -             | -                    |
| Gross/Weapon System Cost                                                                | -                 | -             | 418.375              | -                 | -             | 63.371                                                             | -                 | -             | 60.062               | -                 | -                   | 71.245                                                                 | -                 | -             | -                    | -                 | -             | 71.245               |

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| <b>Exhibit P-5, Cost Analysis: PB 2016 Navy</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                           | <b>Date:</b> February 2015                                                    |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>P-1 Line Item Number / Title:</b><br>5253 / Tomahawk Support Equipment | <b>Item Number / Title [DODIC]:</b><br>1 / 525300, TOMAHAWK Support Equipment |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                           | <b>MDAP/MAIS Code:</b>                                                        |
| <b>Footnotes:</b><br><sup>(1)</sup> Increases in the TTWCS Hardware cost code for FY16 are to address Hardware obsolescence through periodic COTS Hardware refresh.<br><sup>(2)</sup> Decrease in product improvement cost code from FY14-FY15 is associated with the transition of software development to operational test events in the laboratory and onboard ships. Increase in product improvement cost code in FY16 is due to introduction in FY12 of a 100% COTS hardware/software baseline with the introduction of v5.4.0. Consequently, additional product improvement resources are required to comply with commercial hardware/software supportability mandates, obsolescence, information assurance requirements and to maintain pace with modern computing architectures.<br><sup>(3)</sup> Procures hardware and software for installations of system upgrades at all 180 sites where TMPC systems configurations are deployed. This also includes hardware and software for the developers and the Washington Planning Center. FY16 increases initiate the deployment of TMPC 5.0.1 at the Cruise Missile Support Activities and Tomahawk Strike Mission Planning Cells .<br><sup>(4)</sup> Provides for software engineering efforts associated with the delivery of system modernization and improvements by the prime developers. The current TPS software is rapidly becoming obsolete, unsupportable, and incompatible with DoD security mandates making it more susceptible to Cyber-attack. This recode effort supports upgrades necessary to address IA requirements as well. Funding also addresses the National Geospatial-Intelligence Agency (NGA) imagery format change planned for June 2018. The Tomahawk Weapon System cannot execute a mission successfully without the NGA imagery used by TMPC for precision targeting and mission planning. In FY16 this line also funds the implementation of TEN which is necessary to rapidly and effectively manage the distribution of software patches to all operational sites without compromising system's ATO. Funding also provides software upgrades to the submarine community to specifically address system interfaces.<br><sup>(5)</sup> The decrease in FY16 is associated with costs associated with the fabrication of ship sets for SSGNs.<br><sup>(6)</sup> Decreases within the TTWCS Integrated Logistic Support cost in FY16 attributed to phased retirement of 15 CG's; FY16 did not include planned CG retirements and funding will be utilized to continue planned TTWCS software installations.<br><sup>(7)</sup> Provides systems engineering support for system design and definition requirements necessary to evaluate all functional aspects of the TMPC subsystems and workflows that directly impact strike & execution and mission planning products. It includes reviewing TWS and external interfaces for impacts resulting from design upgrades/changes within TWS and by external organizations, Independent Verification & Validation (IV&V), and security accreditation activities. The increase from FY15 funding levels to FY16 is due to increased software engineering efforts to support the TPS rewrite effort for cybersecurity.<br><sup>(8)</sup> Funds activities that directly support system upgrades requirements such as user events, requirements validation, PDR/CDR events, SW formal qualification testing, and delta training documentation. Increase in funding levels in FY16 is the result of added scope to support the TPS rewrite effort for cybersecurity.<br><sup>(9)</sup> Funds installations support associated with the deployment of new TMPC system upgrades to the CMSAs, TSMPCs, Carriers, FRUs, Labs and training sites. Increase in FY16 completes initial fielding of TMPC 5.0.1 to shore installations to include the Cruise Missile Support Activity, Pacific (CMSAPAC), and the Tomahawk Strike Mission Planning Cells (TSMPCs). FY16 funds the deployment of TMPC 5.0.1 and TMPC 6.0 software to the Fleet. |                                                                           |                                                                               |

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Navy **Date:** February 2015

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| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3:<br>Ship Missile Systems Equipment | <b>P-1 Line Item Number / Title:</b><br>5260 / Vertical Launch Systems |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|

| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                            |               |              | Program Elements for Code B Items: |              |             |               |         | Other Related Program Elements: |         |         |             |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|------------------------------------|--------------|-------------|---------------|---------|---------------------------------|---------|---------|-------------|---------------|
| Resource Summary                                                                                                                              | Prior Years   | FY 2014      | FY 2015                            | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018                         | FY 2019 | FY 2020 | To Complete | Total         |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                   | -             | -            | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | -             |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                              | 41.148        | 0.626        | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | 41.774        |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -             | -            | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | -             |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                  | 41.148        | 0.626        | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | 41.774        |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -             | -            | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | -             |
| <b>Total Obligation Authority <i>(\$ in Millions)</i></b>                                                                                     | <b>41.148</b> | <b>0.626</b> | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | <b>41.774</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |               |              |                                    |              |             |               |         |                                 |         |         |             |               |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                        | -             | 0.550        | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | 0.550         |
| Flyaway Unit Cost <i>(\$ in Dollars)</i>                                                                                                      | -             | -            | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | -             |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                          | -             | -            | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | -             |

## Description:

The MK-41 Vertical Launching System (VLS) is a surface combatant missile launching system, designed to store, select and launch various STANDARD Missile configurations, TOMAHAWK, Tactical TOMAHAWK, EVOLVED SEASPARROW (ESSM) and Vertical Launch ASROC (VLA) missiles. The MK-41 VLS significantly improves missile capacity, flexibility, multi-mission capability, reaction time and rate of fire and is designed to be adaptable to present and future weapon systems. Current configurations are: two 61 cell launchers, forward and aft, for 22 TICONDEROGA (CG 47) Class Cruisers beginning with CG-52; one 61 cell aft and one 29 cell launcher forward for 28 ARLEIGH BURKE (DDG 51) Class Destroyers; and one 64 cell launcher aft and one 32 cell launcher forward for 34 DDG 51 FLT IIA ships.

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy | <b>Date:</b> February 2015 |
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|                                                                                                                                                                             |                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment | <b>P-1 Line Item Number / Title:</b><br>5260 / Vertical Launch Systems |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|

| ID Code (A=Service Ready, B=Not Service Ready) : A |          |       | Program Elements for Code B Items:       |                                          |                                          | Other Related Program Elements:          |                                          |                                          |
|----------------------------------------------------|----------|-------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| Exhibits Schedule                                  |          |       | Prior Years                              | FY 2014                                  | FY 2015                                  | FY 2016 Base                             | FY 2016 OCO                              | FY 2016 Total                            |
| Title*                                             | Exhibits | ID CD | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) |
| Vertical Launch Systems                            | P-40a    |       | - / 23.711                               | - / 0.626                                | - / -                                    | - / -                                    | - / -                                    | - / -                                    |
| 1 / 5A118 MTCP EQUIVALENT OF 4293 ()               | P-3a     |       | - / 3.986                                | - / -                                    | - / -                                    | - / -                                    | - / -                                    | - / -                                    |
| 2 / 5A118 4292 FAIRING BLOCK UPGRADE ()            | P-3a     |       | - / 10.842                               | - / -                                    | - / -                                    | - / -                                    | - / -                                    | - / -                                    |
| 3 / 5A118 SHIPALT MATERIAL HALL SWITCH ()          | P-3a     |       | - / 2.609                                | - / -                                    | - / -                                    | - / -                                    | - / -                                    | - / -                                    |
| <b>Total Gross/Weapon System Cost</b>              |          |       | <b>- / 41.148</b>                        | <b>- / 0.626</b>                         | <b>- / -</b>                             | <b>- / -</b>                             | <b>- / -</b>                             | <b>- / -</b>                             |

| Exhibits Schedule                         |          |       | FY 2017                                  | FY 2018                                  | FY 2019                                  | FY 2020                                  | To Complete                              | Total                                    |
|-------------------------------------------|----------|-------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| Title*                                    | Exhibits | ID CD | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) |
| Vertical Launch Systems                   | P-40a    |       | - / -                                    | - / -                                    | - / -                                    | - / -                                    | - / -                                    | - / -                                    |
| 1 / 5A118 MTCP EQUIVALENT OF 4293 ()      | P-3a     |       | - / -                                    | - / -                                    | - / -                                    | - / -                                    | - / -                                    | - / 3.986                                |
| 2 / 5A118 4292 FAIRING BLOCK UPGRADE ()   | P-3a     |       | - / -                                    | - / -                                    | - / -                                    | - / -                                    | - / -                                    | - / 10.842                               |
| 3 / 5A118 SHIPALT MATERIAL HALL SWITCH () | P-3a     |       | - / -                                    | - / -                                    | - / -                                    | - / -                                    | - / -                                    | - / 2.609                                |
| <b>Total Gross/Weapon System Cost</b>     |          |       | <b>- / -</b>                             | <b>- / -</b>                             | <b>- / -</b>                             | <b>- / -</b>                             | <b>- / -</b>                             | <b>- / 41.774</b>                        |

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

**Justification:**

Funding for the Vertical Launch Systems program has been moved to Other Procurement, Navy (OPN) line item 5231, Ship Missile Support Equipment, beginning in FY 2015.



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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy               |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   | Date: February 2015                                |            |                   |                |            |                   |
|-------------------------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|-----------------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------------------------------------------|------------|-------------------|----------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3                  |       |                |                |            |                   | P-1 Line Item Number / Title:<br>5260 / Vertical Launch Systems |            |                   |                |            |                   |                |            |                   | Aggregated Items Title:<br>Vertical Launch Systems |            |                   |                |            |                   |
| Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding. |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   |                                                    |            |                   |                |            |                   |
| Item Number / Title [DODIC]                                                               | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014                                                         |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO                                        |            |                   | FY 2016 Total  |            |                   |
|                                                                                           |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                                  | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                     | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) Vertical Launch Systems                                                                |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   |                                                    |            |                   |                |            |                   |
| 1.1) VLS ORDLATS                                                                          | A     |                | -              | -          | 8.339             | -                                                               | -          | 0.360             | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          |                   |
| 1.2) VLS PRODUCTION ENGINEERING                                                           | A     |                | -              | -          | 2.770             | -                                                               | -          | 0.212             | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          |                   |
| Subtotal: 1) Vertical Launch Systems                                                      |       |                | -              | -          | 11.109            | -                                                               | -          | 0.572             | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          |                   |
| 2) 5A101 AUR ELECTRONIC SIMULATOR                                                         |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   |                                                    |            |                   |                |            |                   |
| 2.1) AURVS CABLE HEADER INSERT                                                            | A     |                | 600.00         | 10         | 0.006             | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          |                   |
| 2.2) IMPROVED AURVS CABLE                                                                 | A     |                | 388,000.00     | 4          | 1.552             | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          |                   |
| Subtotal: 2) 5A101 AUR ELECTRONIC SIMULATOR                                               |       |                | -              | -          | 1.558             | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          |                   |
| 3) 5A102 AUR ELECTRONIC SIMLUATOR                                                         |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   |                                                    |            |                   |                |            |                   |
| 3.1) MOD 5                                                                                | A     |                | 359,588.24     | 17         | 6.113             | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          |                   |
| Subtotal: 3) 5A102 AUR ELECTRONIC SIMLUATOR                                               |       |                | -              | -          | 6.113             | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          |                   |
| 4) 5A1007 LOADING SUPPORT EQUIPMENT                                                       |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   |                                                    |            |                   |                |            |                   |
| 4.1) MISCELLANEOUS SUPPORT EQUIPMENT                                                      | A     |                | -              | -          | 1.985             | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          |                   |
| Subtotal: 4) 5A1007 LOADING SUPPORT EQUIPMENT                                             |       |                | -              | -          | 1.985             | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          |                   |
| 5) 5A116 GACILITY HARDWARE                                                                |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   |                                                    |            |                   |                |            |                   |
| 5.1) FACILITY HARDWARE                                                                    | A     |                | -              | -          | 1.349             | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          |                   |
| Subtotal: 5) 5A116 GACILITY HARDWARE                                                      |       |                | -              | -          | 1.349             | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          |                   |
| 6) 5A118 SHIPALT MATERIAL                                                                 |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   |                                                    |            |                   |                |            |                   |
| 6.1) TCP CIRCUIT CARD FIELD CHANGES                                                       | A     |                | 518,500.00     | 2          | 1.037             | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          |                   |
| Subtotal: 6) 5A118 SHIPALT MATERIAL                                                       |       |                | -              | -          | 1.037             | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          |                   |
| 7) 5A5IN Install Equipment N86 <sup>(1)</sup>                                             |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   |                                                    |            |                   |                |            |                   |
| 7.1) 5A5IN Install Equipment N86                                                          | A     |                | -              | -          | 0.560             | -                                                               | -          | 0.054             | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          |                   |

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|------------------------------------------------------------------------------------|--|--|--|--|--|--|--|------------------------------------------------------------------------|--|--|--|--|--|--|-----------------------------------------------------------|--|--|--|--|
| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                        |  |  |  |  |  |  | <b>Date:</b> February 2015                                |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5260 / Vertical Launch Systems |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Vertical Launch Systems |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]              | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                          |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| Subtotal: 7) 5A51N Install Equipment N86 |       |                | -              | -          | 0.560             | -              | -          | 0.054             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <b>Total</b>                             |       |                | -              | -          | 23.711            | -              | -          | 0.626             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |

| Item Number / Title [DODIC]                   | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|-----------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                               |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) Vertical Launch Systems                    |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) VLS ORDALTS                              | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.2) VLS PRODUCTION ENGINEERING               | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) Vertical Launch Systems          |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2) 5A101 AUR ELECTRONIC SIMULATOR             |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) AURVS CABLE HEADER INSERT                | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2.2) IMPROVED AURVS CABLE                     | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 2) 5A101 AUR ELECTRONIC SIMULATOR   |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3) 5A102 AUR ELECTRONIC SIMLUATOR             |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 3.1) MOD 5                                    | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 3) 5A102 AUR ELECTRONIC SIMLUATOR   |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 4) 5A1007 LOADING SUPPORT EQUIPMENT           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 4.1) MISCELLANEOUS SUPPORT EQUIPMENT          | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 4) 5A1007 LOADING SUPPORT EQUIPMENT |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 5) 5A116 GACILITY HARDWARE                    |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 5.1) FACILITY HARDWARE                        | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 5) 5A116 GACILITY HARDWARE          |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 6) 5A118 SHIPALT MATERIAL                     |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   | Date: February 2015                                |            |                   |                |            |                   |
|-----------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|-----------------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------------------------------------------|------------|-------------------|----------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3    |       |                |                |            |                   | P-1 Line Item Number / Title:<br>5260 / Vertical Launch Systems |            |                   |                |            |                   |                |            |                   | Aggregated Items Title:<br>Vertical Launch Systems |            |                   |                |            |                   |
| Item Number / Title [DODIC]                                                 | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018                                                         |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete                                        |            |                   | Total Cost     |            |                   |
|                                                                             |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                                  | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                     | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 6.1) TCP CIRCUIT CARD FIELD CHANGES                                         | A     |                | -              | -          | -                 | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| Subtotal: 6) 5A118 SHIPALT MATERIAL                                         |       |                | -              | -          | -                 | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| 7) 5A5IN Install Equipment N86 <sup>(1)</sup>                               |       |                |                |            |                   |                                                                 |            |                   |                |            |                   |                |            |                   |                                                    |            |                   |                |            |                   |
| 7.1) 5A5IN Install Equipment N86                                            | A     |                | -              | -          | -                 | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| Subtotal: 7) 5A5IN Install Equipment N86                                    |       |                | -              | -          | -                 | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |
| Total                                                                       |       |                | -              | -          | -                 | -                                                               | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                  | -          | -                 | -              | -          | -                 |

**Footnotes:**

<sup>(1)</sup> VLS ORDALT Installation

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                                                                                    |             |         |         |                                                                 |             |               |         |         | Date: February 2015                                               |         |             |       |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|-----------------------------------------------------------------|-------------|---------------|---------|---------|-------------------------------------------------------------------|---------|-------------|-------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3                                                               |             |         |         | P-1 Line Item Number / Title:<br>5260 / Vertical Launch Systems |             |               |         |         | Modification Number / Title:<br>1 / 5A118 MTCP EQUIVALENT OF 4293 |         |             |       |
| Resource Summary                                                                                                                       | Prior Years | FY 2014 | FY 2015 | FY 2016 Base                                                    | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019                                                           | FY 2020 | To Complete | Total |
| Procurement Quantity <i>(Units in Each)</i>                                                                                            | -           | -       | -       | -                                                               | -           | -             | -       | -       | -                                                                 | -       | -           | -     |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                       | 3.986       | -       | -       | -                                                               | -           | -             | -       | -       | -                                                                 | -       | -           | 3.986 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                    | -           | -       | -       | -                                                               | -           | -             | -       | -       | -                                                                 | -       | -           | -     |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                           | 3.986       | -       | -       | -                                                               | -           | -             | -       | -       | -                                                                 | -       | -           | 3.986 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                    | -           | -       | -       | -                                                               | -           | -             | -       | -       | -                                                                 | -       | -           | -     |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                     | 3.986       | -       | -       | -                                                               | -           | -             | -       | -       | -                                                                 | -       | -           | 3.986 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) |             |         |         |                                                                 |             |               |         |         |                                                                   |         |             |       |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                 | -           | -       | -       | -                                                               | -           | -             | -       | -       | -                                                                 | -       | -           | -     |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                   | -           | -       | -       | -                                                               | -           | -             | -       | -       | -                                                                 | -       | -           | -     |
| Description:<br>Vertical Launch Systems (VLS) Upgrades have been cancelled on SSNs in FY14-17.                                         |             |         |         |                                                                 |             |               |         |         |                                                                   |         |             |       |
|                                                                                                                                        |             |         |         |                                                                 |             |               |         |         |                                                                   |         |             |       |

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|--------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                   |                                   |                                   |                                                                 |                                   |                                   |                                   | Date: February 2015                                               |                                   |                                   |                                   |                                   |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5260 / Vertical Launch Systems |                                   |                                   |                                   | Modification Number / Title:<br>1 / 5A118 MTCP EQUIVALENT OF 4293 |                                   |                                   |                                   |                                   |  |
| Models of Systems Affected:                                              |                                   |                                   |                                   | Modification Type:                                              |                                   |                                   |                                   | Related RDT&E PEs:                                                |                                   |                                   |                                   |                                   |  |
| Financial Plan                                                           | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                 | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                                                           | FY 2019                           | FY 2020                           | To<br>Complete                    | Total                             |  |
|                                                                          | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                               | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                 | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |  |
| Procurement                                                              |                                   |                                   |                                   |                                                                 |                                   |                                   |                                   |                                                                   |                                   |                                   |                                   |                                   |  |
| Modification Item 1 of 1: 5A118 MTCP EQUIVALENT OF 4293                  |                                   |                                   |                                   |                                                                 |                                   |                                   |                                   |                                                                   |                                   |                                   |                                   |                                   |  |
| B Kits                                                                   |                                   |                                   |                                   |                                                                 |                                   |                                   |                                   |                                                                   |                                   |                                   |                                   |                                   |  |
| Recurring                                                                |                                   |                                   |                                   |                                                                 |                                   |                                   |                                   |                                                                   |                                   |                                   |                                   |                                   |  |
| 1.1.1) MTCP EQUIVALENT OF 4293 - NonOrganic                              | 10 / 2.686                        | - / -                             | - / -                             | - / -                                                           | - / -                             | - / -                             | - / -                             | - / -                                                             | - / -                             | - / -                             | - / -                             | 10 / 2.686                        |  |
| Subtotal: Recurring                                                      | - / 2.686                         | - / -                             | - / -                             | - / -                                                           | - / -                             | - / -                             | - / -                             | - / -                                                             | - / -                             | - / -                             | - / -                             | - / 2.686                         |  |
| Subtotal: 5A118 MTCP EQUIVALENT OF 4293                                  | 10 / 2.686                        | - / -                             | - / -                             | - / -                                                           | - / -                             | - / -                             | - / -                             | - / -                                                             | - / -                             | - / -                             | - / -                             | 10 / 2.686                        |  |
| Subtotal: Procurement, All Modification Items                            | - / 2.686                         | - / -                             | - / -                             | - / -                                                           | - / -                             | - / -                             | - / -                             | - / -                                                             | - / -                             | - / -                             | - / -                             | - / 2.686                         |  |
| Installation                                                             |                                   |                                   |                                   |                                                                 |                                   |                                   |                                   |                                                                   |                                   |                                   |                                   |                                   |  |
| Modification Item 1 of 1: 5A118 MTCP EQUIVALENT OF 4293                  | - / 1.300                         | - / -                             | - / -                             | - / -                                                           | - / -                             | - / -                             | - / -                             | - / -                                                             | - / -                             | - / -                             | - / -                             | - / 1.300                         |  |
| Subtotal: Installation                                                   | - / 1.300                         | - / -                             | - / -                             | - / -                                                           | - / -                             | - / -                             | - / -                             | - / -                                                             | - / -                             | - / -                             | - / -                             | - / 1.300                         |  |
| Total                                                                    |                                   |                                   |                                   |                                                                 |                                   |                                   |                                   |                                                                   |                                   |                                   |                                   |                                   |  |
| Total Cost (Procurement + Support + Installation)                        | 3.986                             | -                                 | -                                 | -                                                               | -                                 | -                                 | -                                 | -                                                                 | -                                 | -                                 | -                                 | 3.986                             |  |
|                                                                          |                                   |                                   |                                   |                                                                 |                                   |                                   |                                   |                                                                   |                                   |                                   |                                   |                                   |  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |  |                                                                        | <b>Date:</b> February 2015 |  |                                                                          |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 |  | <b>P-1 Line Item Number / Title:</b><br>5260 / Vertical Launch Systems |                            |  | <b>Modification Number / Title:</b><br>1 / 5A118 MTCP EQUIVALENT OF 4293 |

**Modification Item 1 of 1:** 5A118 MTCP EQUIVALENT OF 4293

**Manufacturer Information**

|                                      |  |  |                                  |  |  |
|--------------------------------------|--|--|----------------------------------|--|--|
| Manufacturer Name: TBD               |  |  | Manufacturer Location: TBD       |  |  |
| Administrative Leadtime (in Months): |  |  | Production Leadtime (in Months): |  |  |

| Dates          | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 |
|----------------|---------|---------|---------|---------|---------|---------|---------|
| Contract Dates |         |         |         |         |         |         |         |
| Delivery Dates |         |         |         |         |         |         |         |

**Installation Information**

**Method of Implementation:** AIT INSTALLATION:: Installation Name: MTCP EQUIVALENT OF 4293

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 8 / 1.300                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 8 / 1.300                      |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 8 / 1.300                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 8 / 1.300                      |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | 8   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 8   |
| Out | 8   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 8   |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                        | <b>Date:</b> February 2015                                                     |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5260 / Vertical Launch Systems | <b>Modification Number / Title:</b><br>2 / 5A118 4292 FAIRING BLOCK<br>UPGRADE |

| Resource Summary                                                                                                                              | Prior Years   | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total         |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|---------------|
| Procurement Quantity <i>(Units in Each)</i>                                                                                                   | -             | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -             |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                              | 10.842        | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | 10.842        |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -             | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -             |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                  | 10.842        | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | 10.842        |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -             | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -             |
| <b>Total Obligation Authority <i>(\$ in Millions)</i></b>                                                                                     | <b>10.842</b> | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | <b>10.842</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |               |         |         |              |             |               |         |         |         |         |             |               |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                        | -             | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -             |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                          | -             | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -             |

**Description:**

This alteration modifies the VLS fairing to Muzzle Hatch connecting links, fairing lock bar cylinder and lock bar components with predominantly off-shelf hardware to provide increased accuracy of adjustment and eliminate potential binding and interference areas.

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                |                                |                                |                                                                 |                                |                                |                                | Date: February 2015                                                  |                                |                                |                                |                                |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                                |                                |                                | P-1 Line Item Number / Title:<br>5260 / Vertical Launch Systems |                                |                                |                                | Modification Number / Title:<br>2 / 5A118 4292 FAIRING BLOCK UPGRADE |                                |                                |                                |                                |  |
| Models of Systems Affected:                                              |                                |                                |                                | Modification Type:                                              |                                |                                |                                | Related RDT&E PEs:                                                   |                                |                                |                                |                                |  |
| Financial Plan                                                           | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                                                    | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                                                              | FY 2019                        | FY 2020                        | To Complete                    | Total                          |  |
|                                                                          | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                  | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                       | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |  |
| Procurement                                                              |                                |                                |                                |                                                                 |                                |                                |                                |                                                                      |                                |                                |                                |                                |  |
| Modification Item 1 of 1: 5A118 4292 FAIRING BLOCK UPGRADE               |                                |                                |                                |                                                                 |                                |                                |                                |                                                                      |                                |                                |                                |                                |  |
| B Kits                                                                   |                                |                                |                                |                                                                 |                                |                                |                                |                                                                      |                                |                                |                                |                                |  |
| Recurring                                                                |                                |                                |                                |                                                                 |                                |                                |                                |                                                                      |                                |                                |                                |                                |  |
| 1.1.1) 4292 FAIRING BLOCK RECURRING - NonOrganic                         | 21 / 6.596                     | - / -                          | - / -                          | - / -                                                           | - / -                          | - / -                          | - / -                          | - / -                                                                | - / -                          | - / -                          | - / -                          | 21 / 6.596                     |  |
| Subtotal: Recurring                                                      | - / 6.596                      | - / -                          | - / -                          | - / -                                                           | - / -                          | - / -                          | - / -                          | - / -                                                                | - / -                          | - / -                          | - / -                          | - / 6.596                      |  |
| Subtotal: 5A118 4292 FAIRING BLOCK UPGRADE                               | 21 / 6.596                     | - / -                          | - / -                          | - / -                                                           | - / -                          | - / -                          | - / -                          | - / -                                                                | - / -                          | - / -                          | - / -                          | 21 / 6.596                     |  |
| Subtotal: Procurement, All Modification Items                            | - / 6.596                      | - / -                          | - / -                          | - / -                                                           | - / -                          | - / -                          | - / -                          | - / -                                                                | - / -                          | - / -                          | - / -                          | - / 6.596                      |  |
| Installation                                                             |                                |                                |                                |                                                                 |                                |                                |                                |                                                                      |                                |                                |                                |                                |  |
| Modification Item 1 of 1: 5A118 4292 FAIRING BLOCK UPGRADE               |                                | - / 4.246                      | - / -                          | - / -                                                           | - / -                          | - / -                          | - / -                          | - / -                                                                | - / -                          | - / -                          | - / -                          | - / 4.246                      |  |
| Subtotal: Installation                                                   |                                | - / 4.246                      | - / -                          | - / -                                                           | - / -                          | - / -                          | - / -                          | - / -                                                                | - / -                          | - / -                          | - / -                          | - / 4.246                      |  |
| Total                                                                    |                                |                                |                                |                                                                 |                                |                                |                                |                                                                      |                                |                                |                                |                                |  |
| Total Cost (Procurement + Support + Installation)                        |                                | 10.842                         | -                              | -                                                               | -                              | -                              | -                              | -                                                                    | -                              | -                              | -                              | 10.842                         |  |



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|-----------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------------------------|-----------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------|----------------|-----------|-----------|-----------|----------------|-----------|-----------|-----------|----------------|-----------|-----------|-----------|----------------|-----------|-----------|-----------|-----------|------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                                          |                                |                                |                                |                                                                        |                                |                                | <b>Date:</b> February 2015          |                                                                             |                                |                                |                                |                                |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3                     |                                |                                |                                | <b>P-1 Line Item Number / Title:</b><br>5260 / Vertical Launch Systems |                                |                                |                                     | <b>Modification Number / Title:</b><br>2 / 5A118 4292 FAIRING BLOCK UPGRADE |                                |                                |                                |                                |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| <b>Modification Item 1 of 1:</b> 5A118 4292 FAIRING BLOCK UPGRADE                                   |                                |                                |                                |                                                                        |                                |                                |                                     |                                                                             |                                |                                |                                |                                |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| <b>Manufacturer Information</b>                                                                     |                                |                                |                                |                                                                        |                                |                                |                                     |                                                                             |                                |                                |                                |                                |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| Manufacturer Name: NUWC Neport                                                                      |                                |                                |                                |                                                                        |                                |                                | Manufacturer Location: Newport, RI  |                                                                             |                                |                                |                                |                                |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| Administrative Leadtime (in Months): 0                                                              |                                |                                |                                |                                                                        |                                |                                | Production Leadtime (in Months): 12 |                                                                             |                                |                                |                                |                                |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| <b>Dates</b>                                                                                        | <b>FY 2014</b>                 | <b>FY 2015</b>                 | <b>FY 2016</b>                 | <b>FY 2017</b>                                                         | <b>FY 2018</b>                 | <b>FY 2019</b>                 | <b>FY 2020</b>                      |                                                                             |                                |                                |                                |                                |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| Contract Dates                                                                                      |                                |                                |                                |                                                                        |                                |                                |                                     |                                                                             |                                |                                |                                |                                |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| Delivery Dates                                                                                      |                                |                                |                                |                                                                        |                                |                                |                                     |                                                                             |                                |                                |                                |                                |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| <b>Installation Information</b>                                                                     |                                |                                |                                |                                                                        |                                |                                |                                     |                                                                             |                                |                                |                                |                                |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| <b>Method of Implementation:</b> AIT INSTALLATION:: Installation Name: 4292 FAIRING BLOCK RECURRING |                                |                                |                                |                                                                        |                                |                                |                                     |                                                                             |                                |                                |                                |                                |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| <b>Installation Cost</b>                                                                            | <b>Prior Years</b>             | <b>FY 2014</b>                 | <b>FY 2015</b>                 | <b>FY 2016 Base</b>                                                    | <b>FY 2016 OCO</b>             | <b>FY 2016 Total</b>           | <b>FY 2017</b>                      | <b>FY 2018</b>                                                              | <b>FY 2019</b>                 | <b>FY 2020</b>                 | <b>To Complete</b>             | <b>Total</b>                   |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
|                                                                                                     | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                         | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)      | Qty (Each) / Total Cost (\$ M)                                              | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| Prior Years                                                                                         | 17 / 4.246                     | - / -                          | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                               | - / -                                                                       | - / -                          | - / -                          | - / -                          | 17 / 4.246                     |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| FY 2014                                                                                             | - / -                          | - / -                          | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                               | - / -                                                                       | - / -                          | - / -                          | - / -                          | - / -                          |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| FY 2015                                                                                             | - / -                          | - / -                          | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                               | - / -                                                                       | - / -                          | - / -                          | - / -                          | - / -                          |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| FY 2016                                                                                             | - / -                          | - / -                          | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                               | - / -                                                                       | - / -                          | - / -                          | - / -                          | - / -                          |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| FY 2017                                                                                             | - / -                          | - / -                          | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                               | - / -                                                                       | - / -                          | - / -                          | - / -                          | - / -                          |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| FY 2018                                                                                             | - / -                          | - / -                          | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                               | - / -                                                                       | - / -                          | - / -                          | - / -                          | - / -                          |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| FY 2019                                                                                             | - / -                          | - / -                          | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                               | - / -                                                                       | - / -                          | - / -                          | - / -                          | - / -                          |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| FY 2020                                                                                             | - / -                          | - / -                          | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                               | - / -                                                                       | - / -                          | - / -                          | - / -                          | - / -                          |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| To Complete                                                                                         | - / -                          | - / -                          | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                               | - / -                                                                       | - / -                          | - / -                          | - / -                          | - / -                          |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| Total                                                                                               | 17 / 4.246                     | - / -                          | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                               | - / -                                                                       | - / -                          | - / -                          | - / -                          | 17 / 4.246                     |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
| <b>Installation Schedule</b>                                                                        |                                |                                |                                |                                                                        |                                |                                |                                     |                                                                             |                                |                                |                                |                                |           |                |           |           |           |                |           |           |           |                |           |           |           |                |           |           |           |           |            |
|                                                                                                     | <b>PYS</b>                     | <b>FY 2014</b>                 |                                |                                                                        |                                | <b>FY 2015</b>                 |                                     |                                                                             |                                | <b>FY 2016</b>                 |                                |                                |           | <b>FY 2017</b> |           |           |           | <b>FY 2018</b> |           |           |           | <b>FY 2019</b> |           |           |           | <b>FY 2020</b> |           |           |           | <b>TC</b> | <b>Tot</b> |
|                                                                                                     |                                | <b>Q1</b>                      | <b>Q2</b>                      | <b>Q3</b>                                                              | <b>Q4</b>                      | <b>Q1</b>                      | <b>Q2</b>                           | <b>Q3</b>                                                                   | <b>Q4</b>                      | <b>Q1</b>                      | <b>Q2</b>                      | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> |           |            |
| In                                                                                                  | 17                             | -                              | -                              | -                                                                      | -                              | -                              | -                                   | -                                                                           | -                              | -                              | -                              | -                              | -         | -              | -         | -         | -         | -              | -         | -         | -         | -              | -         | -         | -         | -              | -         | -         | -         | -         | 17         |
| Out                                                                                                 | 17                             | -                              | -                              | -                                                                      | -                              | -                              | -                                   | -                                                                           | -                              | -                              | -                              | -                              | -         | -              | -         | -         | -         | -              | -         | -         | -         | -              | -         | -         | -         | -              | -         | -         | -         | -         | 17         |

## UNCLASSIFIED

| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                   |                    |                |                |                                                                        |                    |                      |                |                |                | <b>Date:</b> February 2015                                                    |                    |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|----------------|------------------------------------------------------------------------|--------------------|----------------------|----------------|----------------|----------------|-------------------------------------------------------------------------------|--------------------|--------------|
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3                                                                                                                                                                                                                                                                              |                    |                |                | <b>P-1 Line Item Number / Title:</b><br>5260 / Vertical Launch Systems |                    |                      |                |                |                | <b>Modification Number / Title:</b><br>3 / 5A118 SHIPALT MATERIAL HALL SWITCH |                    |              |
| <b>Resource Summary</b>                                                                                                                                                                                                                                                                                                                                      | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016 Base</b>                                                    | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b> | <b>FY 2018</b> | <b>FY 2019</b> | <b>FY 2020</b>                                                                | <b>To Complete</b> | <b>Total</b> |
| Procurement Quantity ( <i>Units in Each</i> )                                                                                                                                                                                                                                                                                                                | -                  | -              | -              | -                                                                      | -                  | -                    | -              | -              | -              | -                                                                             | -                  | -            |
| Gross/Weapon System Cost ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                           | 2.609              | -              | -              | -                                                                      | -                  | -                    | -              | -              | -              | -                                                                             | -                  | 2.609        |
| Less PY Advance Procurement ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                        | -                  | -              | -              | -                                                                      | -                  | -                    | -              | -              | -              | -                                                                             | -                  | -            |
| Net Procurement (P1) ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                               | 2.609              | -              | -              | -                                                                      | -                  | -                    | -              | -              | -              | -                                                                             | -                  | 2.609        |
| Plus CY Advance Procurement ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                        | -                  | -              | -              | -                                                                      | -                  | -                    | -              | -              | -              | -                                                                             | -                  | -            |
| <b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                  | <b>2.609</b>       | -              | -              | -                                                                      | -                  | -                    | -              | -              | -              | -                                                                             | -                  | <b>2.609</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>                                                                                                                                                                                                                |                    |                |                |                                                                        |                    |                      |                |                |                |                                                                               |                    |              |
| Initial Spares ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                                     | -                  | -              | -              | -                                                                      | -                  | -                    | -              | -              | -              | -                                                                             | -                  | -            |
| Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )                                                                                                                                                                                                                                                                                                       | -                  | -              | -              | -                                                                      | -                  | -                    | -              | -              | -              | -                                                                             | -                  | -            |
| <b>Description:</b><br>This alteration replaces internal glass-body electromechanical reed switches with an electronic Hall Effect switch actuated by a single pole magnetic field to provide ease of manufacture, eliminate magnet rotational positioning of present magnets, and allow use of higher reliability magnets better suited to the environment. |                    |                |                |                                                                        |                    |                      |                |                |                |                                                                               |                    |              |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                       |                                       |                                       |                                       |                                                                        |                                       |                                       |                                       |                                       | <b>Date:</b> February 2015                                                    |                                       |                                       |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 |                                       |                                       |                                       |                                       | <b>P-1 Line Item Number / Title:</b><br>5260 / Vertical Launch Systems |                                       |                                       |                                       |                                       | <b>Modification Number / Title:</b><br>3 / 5A118 SHIPALT MATERIAL HALL SWITCH |                                       |                                       |  |
| <b>Models of Systems Affected:</b>                                              |                                       |                                       |                                       | <b>Modification Type:</b>             |                                                                        |                                       |                                       | <b>Related RDT&amp;E PEs:</b>         |                                       |                                                                               |                                       |                                       |  |
| <b>Financial Plan</b>                                                           | <b>Prior Years</b>                    | <b>FY 2014</b>                        | <b>FY 2015</b>                        | <b>FY 2016 Base</b>                   | <b>FY 2016 OCO</b>                                                     | <b>FY 2016 Total</b>                  | <b>FY 2017</b>                        | <b>FY 2018</b>                        | <b>FY 2019</b>                        | <b>FY 2020</b>                                                                | <b>To Complete</b>                    | <b>Total</b>                          |  |
|                                                                                 | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i>                                  | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i>                                         | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> |  |
| <b>Procurement</b>                                                              |                                       |                                       |                                       |                                       |                                                                        |                                       |                                       |                                       |                                       |                                                                               |                                       |                                       |  |
| <i>Modification Item 1 of 1:</i> 5A118 SHIPALT MATERIAL HALL SWITCH             |                                       |                                       |                                       |                                       |                                                                        |                                       |                                       |                                       |                                       |                                                                               |                                       |                                       |  |
| B Kits                                                                          |                                       |                                       |                                       |                                       |                                                                        |                                       |                                       |                                       |                                       |                                                                               |                                       |                                       |  |
| Recurring                                                                       |                                       |                                       |                                       |                                       |                                                                        |                                       |                                       |                                       |                                       |                                                                               |                                       |                                       |  |
| 1.1.1) SHIPALT MATERIAL HALL SWITCH - NonOrganic                                | 19 / 1.409                            | - / -                                 | - / -                                 | - / -                                 | - / -                                                                  | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | 19 / 1.409                            |  |
| <i>Subtotal: Recurring</i>                                                      | - / 1.409                             | - / -                                 | - / -                                 | - / -                                 | - / -                                                                  | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / 1.409                             |  |
| <i>Subtotal: 5A118 SHIPALT MATERIAL HALL SWITCH</i>                             | 19 / 1.409                            | - / -                                 | - / -                                 | - / -                                 | - / -                                                                  | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | 19 / 1.409                            |  |
| <i>Subtotal: Procurement, All Modification Items</i>                            | - / 1.409                             | - / -                                 | - / -                                 | - / -                                 | - / -                                                                  | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / 1.409                             |  |
| <b>Installation</b>                                                             |                                       |                                       |                                       |                                       |                                                                        |                                       |                                       |                                       |                                       |                                                                               |                                       |                                       |  |
| <i>Modification Item 1 of 1:</i> 5A118 SHIPALT MATERIAL HALL SWITCH             | - / 1.200                             | - / -                                 | - / -                                 | - / -                                 | - / -                                                                  | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / 1.200                             |  |
| <i>Subtotal: Installation</i>                                                   | - / 1.200                             | - / -                                 | - / -                                 | - / -                                 | - / -                                                                  | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / 1.200                             |  |
| <b>Total</b>                                                                    |                                       |                                       |                                       |                                       |                                                                        |                                       |                                       |                                       |                                       |                                                                               |                                       |                                       |  |
| <b>Total Cost (Procurement + Support + Installation)</b>                        | <b>2.609</b>                          | -                                     | -                                     | -                                     | -                                                                      | -                                     | -                                     | -                                     | -                                     | -                                                                             | -                                     | <b>2.609</b>                          |  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                        | <b>Date:</b> February 2015                                                    |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5260 / Vertical Launch Systems | <b>Modification Number / Title:</b><br>3 / 5A118 SHIPALT MATERIAL HALL SWITCH |

**Modification Item 1 of 1:** 5A118 SHIPALT MATERIAL HALL SWITCH

**Manufacturer Information**

|                                        |                                      |
|----------------------------------------|--------------------------------------|
| Manufacturer Name: New MFG - Name      | Manufacturer Location: New MFG - Loc |
| Administrative Leadtime (in Months): 0 | Production Leadtime (in Months): 0   |

| Dates          | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 |
|----------------|---------|---------|---------|---------|---------|---------|---------|
| Contract Dates |         |         |         |         |         |         |         |
| Delivery Dates |         |         |         |         |         |         |         |

**Installation Information**

**Method of Implementation:** [none specified]:: Installation Name: SHIPALT MATERIAL HALL SWITCH

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 19 / 1.200                     | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 19 / 1.200                     |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 19 / 1.200                     | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 19 / 1.200                     |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | 19  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 19  |
| Out | 19  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 19  |

**UNCLASSIFIED**

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|-------------------------------------------|---------------------|--------------------|----------------------|-------------------------------------------------------------------------------------------|----------------------------------------|----------------|----------------------------|--------------------|---------------|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |                |                                           |                     |                    |                      |                                                                                           |                                        |                | <b>Date:</b> February 2015 |                    |               |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                |                                           |                     |                    |                      | <b>P-1 Line Item Number / Title:</b><br>5265 / Maritime Integrated Planning System - MIPS |                                        |                |                            |                    |               |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                | <b>Program Elements for Code B Items:</b> |                     |                    |                      |                                                                                           | <b>Other Related Program Elements:</b> |                |                            |                    |               |
| <b>Resource Summary</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b>                            | <b>FY 2016 Base</b> | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b>                                                                            | <b>FY 2018</b>                         | <b>FY 2019</b> | <b>FY 2020</b>             | <b>To Complete</b> | <b>Total</b>  |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                                         | -                                      | -              | -                          | -                  | -             |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7.976              | 2.779          | -                                         | -                   | -                  | -                    | -                                                                                         | -                                      | -              | -                          | -                  | 10.755        |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                                         | -                                      | -              | -                          | -                  | -             |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7.976              | 2.779          | -                                         | -                   | -                  | -                    | -                                                                                         | -                                      | -              | -                          | -                  | 10.755        |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                                         | -                                      | -              | -                          | -                  | -             |
| <b>Total Obligation Authority</b> <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>7.976</b>       | <b>2.779</b>   | -                                         | -                   | -                  | -                    | -                                                                                         | -                                      | -              | -                          | -                  | <b>10.755</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |                |                                           |                     |                    |                      |                                                                                           |                                        |                |                            |                    |               |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                                         | -                                      | -              | -                          | -                  | -             |
| Flyaway Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                                         | -                                      | -              | -                          | -                  | -             |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                                         | -                                      | -              | -                          | -                  | -             |
| <p><b>Description:</b></p> <p>Maritime Integrated Air and Missile Defense (IAMD) Planning System (MIPS) is an automated air and missile defense planning tool that supports Joint Force Maritime Component Commander operational level of war air defense planning by automatically and optimally allocating ship stationing options in support of Ballistic Missile Defense (BMD) or Anti-Air Warfare (AAW).</p> <p>MIPS contains United States Army Patriot and Terminal High Altitude Air Defense models to ensure synergistic allocation and positioning of maritime units in relation to other joint units, providing optimized mutual defense of selected defended assets, against selected BMD and AAW threats. FY 2012 was the first year OPN was used for the MIPS Program; to provide technology refresh to existing hardware.</p> <p>Fourteen (14) MIPS are currently planned for procurement, with two (2) ship-based installations, ten (10) shore-based installations, and one (1) Environmental Qualification Test (EQT) system. The ship classes that will receive MIPS are CVN and LCC class ships. The ten (10) shore-based systems will be installed at various predetermined locations.</p> <p>[P40A / 5B001 - EQUIPMENT]: These funds are for the procurement of MIPS technology refresh hardware and software for ship and shore based installations.</p> <p>[P40A / 5B830 - PRODUCTION ENGINEERING]: The funds are for production engineering support for MIPS hardware and software.</p> <p>[P40A / 5BINS - NON-FMP INSTALLATION]: These funds are for installation of Non-Shipboard MIPS hardware at various Land Based locations.</p> |                    |                |                                           |                     |                    |                      |                                                                                           |                                        |                |                            |                    |               |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|--------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                 |                   |              |                                                  |                                                  |                                                                                           |                                                  | <b>Date:</b> February 2015                       |                                                  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment                                                                       |                   |              |                                                  |                                                  | <b>P-1 Line Item Number / Title:</b><br>5265 / Maritime Integrated Planning System - MIPS |                                                  |                                                  |                                                  |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                         |                   |              | <b>Program Elements for Code B Items:</b>        |                                                  |                                                                                           | <b>Other Related Program Elements:</b>           |                                                  |                                                  |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                          |                   |              | <b>Prior Years</b>                               | <b>FY 2014</b>                                   | <b>FY 2015</b>                                                                            | <b>FY 2016 Base</b>                              | <b>FY 2016 OCO</b>                               | <b>FY 2016 Total</b>                             |
| <b>Title*</b>                                                                                                                                                                                                                                     | <b>Exhibits</b>   | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                                          | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| Maritime Integrated Planning System - MIPS                                                                                                                                                                                                        | P-40a, P-5a, P-21 |              | - / 6.725                                        | - / 1.779                                        | - / -                                                                                     | - / -                                            | - / -                                            | - / -                                            |
| 1 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS) ()                                                                                                                                                                                                 | P-3a              |              | - / 1.251                                        | - / 1.000                                        | - / -                                                                                     | - / -                                            | - / -                                            | - / -                                            |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                             |                   |              | <b>- / 7.976</b>                                 | <b>- / 2.779</b>                                 | <b>- / -</b>                                                                              | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / -</b>                                     |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                          |                   |              | <b>FY 2017</b>                                   | <b>FY 2018</b>                                   | <b>FY 2019</b>                                                                            | <b>FY 2020</b>                                   | <b>To Complete</b>                               | <b>Total</b>                                     |
| <b>Title*</b>                                                                                                                                                                                                                                     | <b>Exhibits</b>   | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                                          | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| Maritime Integrated Planning System - MIPS                                                                                                                                                                                                        | P-40a, P-5a, P-21 |              | - / -                                            | - / -                                            | - / -                                                                                     | - / -                                            | - / -                                            | - / -                                            |
| 1 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS) ()                                                                                                                                                                                                 | P-3a              |              | - / -                                            | - / -                                            | - / -                                                                                     | - / -                                            | - / -                                            | - / 2.251                                        |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                             |                   |              | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / -</b>                                                                              | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / 10.755</b>                                |
| *Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown. |                   |              |                                                  |                                                  |                                                                                           |                                                  |                                                  |                                                  |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.                                                                                                                                                                    |                   |              |                                                  |                                                  |                                                                                           |                                                  |                                                  |                                                  |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                                           |  |  |  |  |  |  | <b>Date:</b> February 2015                                                   |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5265 / Maritime Integrated Planning System - MIPS |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Maritime Integrated Planning System - MIPS |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                 | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|---------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                             |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) 5B001 - EQUIPMENT                        |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) EQUIPMENT <sup>(†)</sup>               | A     |                | 250,000.00     | 10         | 2.500             | 187,000.00     | 1          | 0.187             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) 5B001 - EQUIPMENT              |       |                | -              | -          | 2.500             | -              | -          | 0.187             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2) 5B830 - PRODUCTION ENGINEERING           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) PRODUCTION ENGINEERING                 | A     |                | -              | -          | 1.600             | -              | -          | 1.389             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 2) 5B830 - PRODUCTION ENGINEERING |       |                | -              | -          | 1.600             | -              | -          | 1.389             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3) 5BINS - NON-FMP INSTALLATION             |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 3.1) NON-FMP INSTALLATION <sup>(†)</sup>    | A     |                | 291,666.67     | 9          | 2.625             | 203,000.00     | 1          | 0.203             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 3) 5BINS - NON-FMP INSTALLATION   |       |                | -              | -          | 2.625             | -              | -          | 0.203             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Total                                       |       |                | -              | -          | 6.725             | -              | -          | 1.779             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

| Item Number / Title [DODIC]                 | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|---------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                             |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) 5B001 - EQUIPMENT                        |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) EQUIPMENT <sup>(†)</sup>               | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) 5B001 - EQUIPMENT              |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2) 5B830 - PRODUCTION ENGINEERING           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) PRODUCTION ENGINEERING                 | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 2) 5B830 - PRODUCTION ENGINEERING |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3) 5BINS - NON-FMP INSTALLATION             |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 3.1) NON-FMP INSTALLATION <sup>(†)</sup>    | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 3) 5BINS - NON-FMP INSTALLATION   |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Total                                       |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |                                                                                           | <b>Date:</b> February 2015                                                   |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3    | <b>P-1 Line Item Number / Title:</b><br>5265 / Maritime Integrated Planning System - MIPS | <b>Aggregated Items Title:</b><br>Maritime Integrated Planning System - MIPS |

(†) indicates the presence of a P-5a



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| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy             |             |             |                                                                                    |                                      |                 |               |                              | Date: February 2015                                             |                   |                        |                               |                      |
|--------------------------------------------------------------------------|-------------|-------------|------------------------------------------------------------------------------------|--------------------------------------|-----------------|---------------|------------------------------|-----------------------------------------------------------------|-------------------|------------------------|-------------------------------|----------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |             |             | P-1 Line Item Number / Title:<br>5265 / Maritime Integrated Planning System - MIPS |                                      |                 |               |                              | Aggregated Items:<br>Maritime Integrated Planning System - MIPS |                   |                        |                               |                      |
| Item Number / Title [DODIC]                                              | O<br>C<br>O | FY          | Contractor and Location                                                            | Method/Type<br>or<br>Funding Vehicle | Location of PCO | Award<br>Date | Date<br>of First<br>Delivery | Qty<br>(Each)                                                   | Unit Cost<br>(\$) | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |
| 1) 5B001 - EQUIPMENT                                                     |             |             |                                                                                    |                                      |                 |               |                              |                                                                 |                   |                        |                               |                      |
| 1.1) EQUIPMENT <sup>(†)</sup>                                            |             | 2014<br>(1) | NSWC/PHD / PORT HUENEME, CA                                                        | WR                                   | Washington, DC  | Mar 2014      | Nov 2015                     | 1                                                               | 187,000.00        | Y                      |                               |                      |
| 3) 5BINS - NON-FMP INSTALLATION                                          |             |             |                                                                                    |                                      |                 |               |                              |                                                                 |                   |                        |                               |                      |
| 3.1) NON-FMP INSTALLATION <sup>(†)</sup>                                 |             | 2014<br>(2) | NSWC/PHD / PORT HUENEME, CA                                                        | WR                                   | Washington, DC  | Mar 2014      | Mar 2014                     | 1                                                               | 203,000.00        | Y                      |                               |                      |

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(1)</sup> FY 14 Equipment and Installation plan has changed from funding GDAIS/ VA Beach contract to funding NSWC/PHD via work request.

<sup>(2)</sup> FY 14 Equipment and Installation plan has changed from funding GDAIS/ VA Beach contract to funding NSWC/PHD via work request.

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|--------------------------------------------------------------------------|------------------|------|---------|-------------|----------------------------------------|------------------------------|--------------------|-------------|-------------|------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|-------------|-------------|--------------------|-------------|-------------|------------------|-------------|-------------|-------------|-----------------------------------------------------------------|-------------|-------------|-------------|---|---|--|--|--|--|--|--|--|--|--|--|--|--|
| Exhibit P-21, Production Schedule: PB 2016 Navy                          |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             | Date: February 2015 |             |             |                    |             |             |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                  |      |         |             |                                        |                              |                    |             |             | P-1 Line Item Number / Title:<br>5265 / Maritime Integrated Planning System - MIPS |             |             |             |             |             |             |             |                     |             |             |                    |             |             |                  |             |             |             | Aggregated Items:<br>Maritime Integrated Planning System - MIPS |             |             |             |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Items<br>(Units in Each)                                                 |                  |      |         |             |                                        |                              |                    |             |             | Fiscal Year 2014                                                                   |             |             |             |             |             |             |             |                     |             |             |                    |             |             | Fiscal Year 2015 |             |             |             |                                                                 |             |             |             |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
| O<br>C<br>C<br>#                                                         | M<br>F<br>R<br># | FY   | SERVICE | PROC<br>QTY | ACCEPT<br>PRIOR<br>TO 1<br>OCT<br>2013 | BAL<br>DUE<br>AS OF<br>1 OCT | Calendar Year 2014 |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             | Calendar Year 2015 |             |             |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                          |                  |      |         |             |                                        |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                                                        | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P         | O<br>C<br>T | N<br>O<br>V | D<br>E<br>C        | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R      | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L                                                     | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
| 1) 5B001 - EQUIPMENT                                                     |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |                    |             |             |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.1) EQUIPMENT                                                           |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |                    |             |             |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Prior Years Deliveries: 10                                               |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |                    |             |             |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                          | 2                | 2014 | NAVY    | 1           | -                                      | 1                            |                    |             |             |                                                                                    |             |             | A           | -           | -           | -           | -           | -                   | -           | -           | -                  | -           | -           | -                | -           | -           | -           | -                                                               | -           | -           | -           | 1 |   |  |  |  |  |  |  |  |  |  |  |  |  |
| 3) 5BINS - NON-FMP INSTALLATION                                          |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |                    |             |             |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.1) NON-FMP INSTALLATION                                                |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |                    |             |             |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
| Prior Years Deliveries: 9                                                |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |                    |             |             |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                          | 3                | 2014 | NAVY    | 1           | -                                      | 1                            |                    |             |             |                                                                                    |             |             | A           | 1           |             |             |             |                     |             |             |                    |             |             |                  |             |             |             |                                                                 |             |             |             |   | - |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                          |                  |      |         |             |                                        |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                                                        | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P         | O<br>C<br>T | N<br>O<br>V | D<br>E<br>C        | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R      | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L                                                     | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |   |   |  |  |  |  |  |  |  |  |  |  |  |  |

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|--------------------------------------------------------------------------|------------------|------|---------|-------------|----------------------------------------|------------------------------|--------------------|-------------|-------------|------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|-------------|-------------|-------------|-------------|--------------------|------------------|-------------|-------------|-------------|-----------------------------------------------------------------|-------------|-------------|-------------|---|---|--|--|--|-------------|--|--|--|--|--|--|--|--|
| Exhibit P-21, Production Schedule: PB 2016 Navy                          |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             | Date: February 2015 |             |             |             |             |                    |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |             |  |  |  |  |  |  |  |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                  |      |         |             |                                        |                              |                    |             |             | P-1 Line Item Number / Title:<br>5265 / Maritime Integrated Planning System - MIPS |             |             |             |             |             |             |             |                     |             |             |             |             |                    |                  |             |             |             | Aggregated Items:<br>Maritime Integrated Planning System - MIPS |             |             |             |   |   |  |  |  |             |  |  |  |  |  |  |  |  |
| Items<br>(Units in Each)                                                 |                  |      |         |             |                                        |                              |                    |             |             | Fiscal Year 2016                                                                   |             |             |             |             |             |             |             |                     |             |             |             |             |                    | Fiscal Year 2017 |             |             |             |                                                                 |             |             |             |   |   |  |  |  |             |  |  |  |  |  |  |  |  |
| O<br>C<br>C<br>#                                                         | M<br>F<br>R<br># | FY   | SERVICE | PROC<br>QTY | ACCEPT<br>PRIOR<br>TO 1<br>OCT<br>2015 | BAL<br>DUE<br>AS OF<br>1 OCT | Calendar Year 2016 |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |             |             | Calendar Year 2017 |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  | B<br>A<br>L |  |  |  |  |  |  |  |  |
|                                                                          |                  |      |         |             |                                        |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                                                        | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P         | O<br>C<br>T | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B        | M<br>A<br>R      | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L                                                     | A<br>U<br>G | S<br>E<br>P |             |   |   |  |  |  |             |  |  |  |  |  |  |  |  |
|                                                                          |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |             |             |                    |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |             |  |  |  |  |  |  |  |  |
|                                                                          |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |             |             |                    |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |             |  |  |  |  |  |  |  |  |
|                                                                          |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |             |             |                    |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |             |  |  |  |  |  |  |  |  |
| 1) 5B001 - EQUIPMENT                                                     |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |             |             |                    |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |             |  |  |  |  |  |  |  |  |
| 1.1) EQUIPMENT                                                           |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |             |             |                    |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |             |  |  |  |  |  |  |  |  |
| Prior Years Deliveries: 10                                               |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |             |             |                    |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |             |  |  |  |  |  |  |  |  |
| 2                                                                        |                  | 2014 | NAVY    | 1           | -                                      | 1                            | -                  | 1           |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |             |             |                    |                  |             |             |             |                                                                 |             |             |             |   | - |  |  |  |             |  |  |  |  |  |  |  |  |
| 3) 5BINS - NON-FMP INSTALLATION                                          |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |             |             |                    |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |             |  |  |  |  |  |  |  |  |
| 3.1) NON-FMP INSTALLATION                                                |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |             |             |                    |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |             |  |  |  |  |  |  |  |  |
| Prior Years Deliveries: 9                                                |                  |      |         |             |                                        |                              |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |             |             |                    |                  |             |             |             |                                                                 |             |             |             |   |   |  |  |  |             |  |  |  |  |  |  |  |  |
| 3                                                                        |                  | 2014 | NAVY    | 1           | 1                                      | -                            |                    |             |             |                                                                                    |             |             |             |             |             |             |             |                     |             |             |             |             |                    |                  |             |             |             |                                                                 |             |             |             | - |   |  |  |  |             |  |  |  |  |  |  |  |  |
|                                                                          |                  |      |         |             |                                        |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                                                        | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P         | O<br>C<br>T | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B        | M<br>A<br>R      | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L                                                     | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |   |   |  |  |  |             |  |  |  |  |  |  |  |  |

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| Exhibit P-21, Production Schedule: PB 2016 Navy                          |                             |                                |                |              |                                                                                    |                 |         |                   | Date: February 2015                                             |                 |         |                   |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                             |                                |                |              | P-1 Line Item Number / Title:<br>5265 / Maritime Integrated Planning System - MIPS |                 |         |                   | Aggregated Items:<br>Maritime Integrated Planning System - MIPS |                 |         |                   |
|                                                                          |                             | Production Rates (Each / Year) |                |              | Procurement Leadtime (Months)                                                      |                 |         |                   |                                                                 |                 |         |                   |
| MFR Ref #                                                                | MFR Name - Location         | MSR For 2016                   | 1-8-5 For 2016 | MAX For 2016 | Initial                                                                            |                 |         |                   | Reorder                                                         |                 |         |                   |
|                                                                          |                             |                                |                |              | ALT Prior to Oct 1                                                                 | ALT After Oct 1 | Mfg PLT | Total After Oct 1 | ALT Prior to Oct 1                                              | ALT After Oct 1 | Mfg PLT | Total After Oct 1 |
| 1                                                                        | NSWC/PHD - PORT HUENEME, CA | 6                              | 6              | 6            | -                                                                                  | -               | 6       | 6                 | -                                                               | -               | 20      | 20                |
| 2                                                                        | NSWC/PHD - PORT HUENEME, CA | -                              | -              | -            | -                                                                                  | -               | -       | -                 | -                                                               | -               | -       | -                 |

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                                           | <b>Date:</b> February 2015                                                            |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5265 / Maritime Integrated Planning System - MIPS | <b>Modification Number / Title:</b><br>1 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS) |

| Resource Summary                                                                                                                              | Prior Years  | FY 2014      | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total        |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|--------------|
| Procurement Quantity ( <i>Units in Each</i> )                                                                                                 | -            | -            | -       | -            | -           | -             | -       | -       | -       | -       | -           | -            |
| Gross/Weapon System Cost ( <i>\$ in Millions</i> )                                                                                            | 1.251        | 1.000        | -       | -            | -           | -             | -       | -       | -       | -       | -           | 2.251        |
| Less PY Advance Procurement ( <i>\$ in Millions</i> )                                                                                         | -            | -            | -       | -            | -           | -             | -       | -       | -       | -       | -           | -            |
| Net Procurement (P1) ( <i>\$ in Millions</i> )                                                                                                | 1.251        | 1.000        | -       | -            | -           | -             | -       | -       | -       | -       | -           | 2.251        |
| Plus CY Advance Procurement ( <i>\$ in Millions</i> )                                                                                         | -            | -            | -       | -            | -           | -             | -       | -       | -       | -       | -           | -            |
| <b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )                                                                                   | <b>1.251</b> | <b>1.000</b> | -       | -            | -           | -             | -       | -       | -       | -       | -           | <b>2.251</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |              |              |         |              |             |               |         |         |         |         |             |              |
| Initial Spares ( <i>\$ in Millions</i> )                                                                                                      | -            | -            | -       | -            | -           | -             | -       | -       | -       | -       | -           | -            |
| Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )                                                                                        | -            | -            | -       | -            | -           | -             | -       | -       | -       | -       | -           | -            |

**Description:**

10 shore-based units will be procured and one unit will be used to conduct required EQT testing. The EQT shore-based unit will not be installed after testing. There are no fleet modernization program (FMP) installation costs associated with the 10 shore-based units because those installations will be performed at the shore-based sites.

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|--------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------------------------------------------------------|--------------------------------|--------------------------------|--|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                |                                |                                |                                                                                    |                                |                                |                                | Date: February 2015            |                                |                                                                                |                                |                                |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 3 |                                |                                |                                | P-1 Line Item Number / Title:<br>5265 / Maritime Integrated Planning System - MIPS |                                |                                |                                |                                |                                | Modification Number / Title:<br>1 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS) |                                |                                |  |
| Models of Systems Affected: 5B001 MIPS Procurement                       |                                |                                |                                | Modification Type:                                                                 |                                |                                |                                |                                | Related RDT&E PEs:             |                                                                                |                                |                                |  |
| Financial Plan                                                           | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                                                                       | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                                                                        | To Complete                    | Total                          |  |
|                                                                          | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                                     | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                                 | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |  |
| Procurement                                                              |                                |                                |                                |                                                                                    |                                |                                |                                |                                |                                |                                                                                |                                |                                |  |
| Modification Item 1 of 1: MARITIME INTEGRATED PLANNING SYSTEM (MIPS)     |                                |                                |                                |                                                                                    |                                |                                |                                |                                |                                |                                                                                |                                |                                |  |
| B Kits                                                                   |                                |                                |                                |                                                                                    |                                |                                |                                |                                |                                |                                                                                |                                |                                |  |
| Recurring                                                                |                                |                                |                                |                                                                                    |                                |                                |                                |                                |                                |                                                                                |                                |                                |  |
| 1.1.1) EQUIPMENT - NonOrganic <sup>(3)</sup>                             | 1 / 0.250                      | 1 / 0.200                      | - / -                          | - / -                                                                              | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                          | - / -                          | 2 / 0.450                      |  |
| Subtotal: Recurring                                                      | - / 0.250                      | - / 0.200                      | - / -                          | - / -                                                                              | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                          | - / -                          | - / 0.450                      |  |
| Subtotal: MARITIME INTEGRATED PLANNING SYSTEM (MIPS)                     | 1 / 0.250                      | 1 / 0.200                      | - / -                          | - / -                                                                              | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                          | - / -                          | 2 / 0.450                      |  |
| Subtotal: Procurement, All Modification Items                            | - / 0.250                      | - / 0.200                      | - / -                          | - / -                                                                              | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                          | - / -                          | - / 0.450                      |  |
| Installation                                                             |                                |                                |                                |                                                                                    |                                |                                |                                |                                |                                |                                                                                |                                |                                |  |
| Modification Item 1 of 1: MARITIME INTEGRATED PLANNING SYSTEM (MIPS)     | - / 1.001                      | - / 0.800                      | - / -                          | - / -                                                                              | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                          | - / -                          | - / 1.801                      |  |
| Subtotal: Installation                                                   | - / 1.001                      | - / 0.800                      | - / -                          | - / -                                                                              | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                          | - / -                          | - / 1.801                      |  |
| Total                                                                    |                                |                                |                                |                                                                                    |                                |                                |                                |                                |                                |                                                                                |                                |                                |  |
| Total Cost (Procurement + Support + Installation)                        | 1.251                          | 1.000                          | -                              | -                                                                                  | -                              | -                              | -                              | -                              | -                              | -                                                                              | -                              | 2.251                          |  |
|                                                                          |                                |                                |                                |                                                                                    |                                |                                |                                |                                |                                |                                                                                |                                |                                |  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                                           | <b>Date:</b> February 2015                                                            |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5265 / Maritime Integrated Planning System - MIPS | <b>Modification Number / Title:</b><br>1 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS) |

**Modification Item 1 of 1:** MARITIME INTEGRATED PLANNING SYSTEM (MIPS)

**Manufacturer Information**

|                                        |                |                |                |                                      |                |                |                |
|----------------------------------------|----------------|----------------|----------------|--------------------------------------|----------------|----------------|----------------|
| Manufacturer Name: GDAIS               |                |                |                | Manufacturer Location: VA. Beach, VA |                |                |                |
| Administrative Leadtime (in Months): 3 |                |                |                | Production Leadtime (in Months): 6   |                |                |                |
| <b>Dates</b>                           | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016</b> | <b>FY 2017</b>                       | <b>FY 2018</b> | <b>FY 2019</b> | <b>FY 2020</b> |
| Contract Dates                         |                |                |                |                                      |                |                |                |
| Delivery Dates                         |                |                |                |                                      |                |                |                |
| Manufacturer Name: TBD                 |                |                |                | Manufacturer Location: TBD           |                |                |                |
| Administrative Leadtime (in Months): 3 |                |                |                | Production Leadtime (in Months): 6   |                |                |                |
| <b>Dates</b>                           | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016</b> | <b>FY 2017</b>                       | <b>FY 2018</b> | <b>FY 2019</b> | <b>FY 2020</b> |
| Contract Dates                         | Feb 2014       |                |                |                                      |                |                |                |
| Delivery Dates                         | Sep 2014       |                |                |                                      |                |                |                |

**Installation Information**

**Method of Implementation:** [none specified]:: Installation Name: EQUIPMENT

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 0 / 0.500                      | 1 / 0.400                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 0.900                      |
| FY 2014           | 0 / 0.501                      | 1 / 0.400                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 0.901                      |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 0 / 1.001                      | 2 / 0.800                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 1.801                      |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | -   | -       | -  | -  | 2  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 2   |
| Out | -   | -       | -  | -  | 2  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 2   |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                                           | <b>Date:</b> February 2015                                                            |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 3 | <b>P-1 Line Item Number / Title:</b><br>5265 / Maritime Integrated Planning System - MIPS | <b>Modification Number / Title:</b><br>1 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS) |

**Footnotes:**  
(3) HARDWARE PROCUREMENT - 5B001 These funds are for the procurement of MIPS technology refresh hardware and software for ship and shore based installations.



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|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|------------------------------------|--------------|-------------|-------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------|---------|---------|-------------|-----------|
| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                     |             |         |                                    |              |             |                                                                         |         | Date: February 2015                                                                           |         |         |             |           |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 4:<br>FBM Support Equipment |             |         |                                    |              |             | P-1 Line Item Number / Title:<br>5358 / Strategic Missile Systems Equip |         |                                                                                               |         |         |             |           |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                             |             |         | Program Elements for Code B Items: |              |             |                                                                         |         | Other Related Program Elements: 0603570N, 0603595N,<br>0603561N, 0101228N, 0805376N, 0901211N |         |         |             |           |
| Resource Summary                                                                                                                                               | Prior Years | FY 2014 | FY 2015                            | FY 2016 Base | FY 2016 OCO | FY 2016 Total                                                           | FY 2017 | FY 2018                                                                                       | FY 2019 | FY 2020 | To Complete | Total     |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                                    | -           | -       | -                                  | -            | -           | -                                                                       | -       | -                                                                                             | -       | -       | -           | -         |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                                               | 527.354     | 224.484 | 201.832                            | 240.694      | -           | 240.694                                                                 | 200.789 | 222.157                                                                                       | 227.140 | 231.945 | -           | 2,076.395 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                                            | -           | -       | -                                  | -            | -           | -                                                                       | -       | -                                                                                             | -       | -       | -           | -         |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                                   | 527.354     | 224.484 | 201.832                            | 240.694      | -           | 240.694                                                                 | 200.789 | 222.157                                                                                       | 227.140 | 231.945 | -           | 2,076.395 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                                            | -           | -       | -                                  | -            | -           | -                                                                       | -       | -                                                                                             | -       | -       | -           | -         |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                                             | 527.354     | 224.484 | 201.832                            | 240.694      | -           | 240.694                                                                 | 200.789 | 222.157                                                                                       | 227.140 | 231.945 | -           | 2,076.395 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                         |             |         |                                    |              |             |                                                                         |         |                                                                                               |         |         |             |           |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                                         | -           | -       | -                                  | -            | -           | -                                                                       | -       | -                                                                                             | -       | -       | -           | -         |
| Flyaway Unit Cost <i>(\$ in Thousands)</i>                                                                                                                     | -           | -       | -                                  | -            | -           | -                                                                       | -       | -                                                                                             | -       | -       | -           | -         |
| Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>                                                                                                         | -           | -       | -                                  | -            | -           | -                                                                       | -       | -                                                                                             | -       | -       | -           | -         |

**Description:**

This budget provides for the procurement of Strategic Weapons System (SWS) equipment for deployed ballistic missile submarines (SSBNs) and shore support sites to support the TRIDENT II (D5) program. Included are shipboard subsystem equipment modernization and technical refresh efforts associated with the TRIDENT II (D5) life extension program. TRIDENT II SSBN hull life has been extended, therefore extending system life to FY 2042.

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |       |                                          |                                          |                                                                         | Date: February 2015                                                                           |                                          |                                          |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 4:<br>FBM Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |       |                                          |                                          | P-1 Line Item Number / Title:<br>5358 / Strategic Missile Systems Equip |                                                                                               |                                          |                                          |  |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |       | Program Elements for Code B Items:       |                                          |                                                                         | Other Related Program Elements: 0603570N, 0603595N,<br>0603561N, 0101228N, 0805376N, 0901211N |                                          |                                          |  |
| Exhibits Schedule                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |       | Prior Years                              | FY 2014                                  | FY 2015                                                                 | FY 2016 Base                                                                                  | FY 2016 OCO                              | FY 2016 Total                            |  |
| Title*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Exhibits             | ID CD | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M)                                | Quantity / Total Cost<br>(Each) / (\$ M)                                                      | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) |  |
| Strategic Missile Systems Equip                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | P-40a, P-5a,<br>P-21 |       | - / 527.354                              | - / 224.484                              | - / 201.832                                                             | - / 240.694                                                                                   | - / -                                    | - / 240.694                              |  |
| Total Gross/Weapon System Cost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |       | - / 527.354                              | - / 224.484                              | - / 201.832                                                             | - / 240.694                                                                                   | - / -                                    | - / 240.694                              |  |
| *Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                      |       |                                          |                                          |                                                                         |                                                                                               |                                          |                                          |  |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |       |                                          |                                          |                                                                         |                                                                                               |                                          |                                          |  |
| Justification:<br>OTHER MATERIAL SUPPORT (FY16 22.068M)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |       |                                          |                                          |                                                                         |                                                                                               |                                          |                                          |  |
| A broad range of other material support equipment must be procured for deployed SSBNs, shore installations and contractor facilities. Included within this category are general and special purpose test equipment, launcher expendables, navigation principal items, test instrumentation in support of missile flight tests, and missile checkout equipment. Amounts included within this P1 line for this category are subdivided as follows:                                                                                                                                                                                                                                                                                                               |                      |       |                                          |                                          |                                                                         |                                                                                               |                                          |                                          |  |
| -Launcher and Handling Equipment: This funding supports procurement of MK-74 gas generators. Funding in FY 2016 provides for gas generator production.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |       |                                          |                                          |                                                                         |                                                                                               |                                          |                                          |  |
| -Fire Control Equipment: Funding in FY 2016 provides procurement of fire control auxillary support equipment as well as continued capital maintenance projects at the Naval Industrial Reserve Ordnance Plant (NIROP) in Pittsfield, MA. These projects are essential to correct environmental, safety, and energy conservation deficiencies. Funding also provides procurement of hardware for targeting. Funding supports the integration of Navy Enterprise Resource Planning (NERP) and the Advanced Inventory Logistics (SAIL) to track tactical support equipment.                                                                                                                                                                                       |                      |       |                                          |                                          |                                                                         |                                                                                               |                                          |                                          |  |
| -Navigation Equipment: Funding in FY 2016 provides for stable platform & housing material kits and shock isolation system kits for Electro-statically Supported Gyro Navigator (ESGN) to maintain survivability for the SSBNs. Funding is required for replacement of worn or damaged inertial test equipment used at contractors' plants to support test, evaluation, and analysis of inertial instruments.                                                                                                                                                                                                                                                                                                                                                   |                      |       |                                          |                                          |                                                                         |                                                                                               |                                          |                                          |  |
| -Instrumentation/Missile Test Equipment: Funding in all years provides for shore based and shipboard test instrumentation equipment in support of missile flight tests. Funding in FY 2016 provides for a refresh of the flight test and pacific range test instrumentation system.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |       |                                          |                                          |                                                                         |                                                                                               |                                          |                                          |  |
| -Information Technology: IT equipment acquisitions (hardware and related software) in support of the Strategic Systems Programs. IT hardware and software components that connect to SWSNET are also part of the acquisitions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |       |                                          |                                          |                                                                         |                                                                                               |                                          |                                          |  |
| ALTERATIONS (FY16 \$182.808M)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                      |       |                                          |                                          |                                                                         |                                                                                               |                                          |                                          |  |
| Alterations to non-flying tactical hardware are continuing requirements for the SWS. Requirements primarily relate to shipboard investments in Commercial-off-the-Shelf/Non-Developmental Items (COTS/NDI) SWS subsystem equipment, including periodic refresh cycles, to ensure continued reliable performance of the weapon system for its extended service life to match the OHIO Class life extention. Strategic Programs Alterations (SPALTs) also entail the application of available technology to eliminate personnel safety hazards, correct design deficiencies, maintain system effectiveness by resolving equipment operability problems, achieve logistic economies, and provide for shipboard subsystem D5 life extension modernization efforts. |                      |       |                                          |                                          |                                                                         |                                                                                               |                                          |                                          |  |
| Funds are required to procure alterations to the SWS launcher and fire control subsystems; to inertial, non-inertial, and ESGN navigation subsystem equipment on deployed SSBNs and installed at supporting shore facilities, including the TRIDENT Training Facility (TTF), Bangor, TTF, Kings Bay, the Ashore Navigation Center, and the Inertial System Test Laboratory; to test instrumentation used on SSBNs, support ships and at the Eastern Test Range, the TRIDENT Refit Facility (TRF), Bangor, and TRF, Kings Bay; and to missile handling equipment, missile test and readiness equipment, and surface support equipment.                                                                                                                          |                      |       |                                          |                                          |                                                                         |                                                                                               |                                          |                                          |  |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    | Date: February 2015                                                                        |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 4: FBM Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                    | P-1 Line Item Number / Title:<br>5358 / Strategic Missile Systems Equip                    |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Program Elements for Code B Items: | Other Related Program Elements: 0603570N, 0603595N, 0603561N, 0101228N, 0805376N, 0901211N |
| Installation of approved SPALTs is performed on a turnkey basis in conjunction with the procurement of equipment. Use of COTS/NDI has been initiated and is being implemented in all subsystems, wherever possible.                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                    |                                                                                            |
| The majority of the Alterations funding supports the Shipboard System Integration (SSI) program which utilizes a COTS based strategy that integrates common electronics (from Fire Control, Launcher, Navigation and Shipboard Data Recording Systems) into the fire control sub-system as well as refreshing inertial systems in order to ensure the TRIDENT II (D5) weapon system can be sustained to FY 2042 in support of OHIO Class SSBNs. Below is a description of each SSI Increment:                                                                                                                                                               |                                    |                                                                                            |
| SSI Inc 1: Provide subsystems integration into the MOD 6/7 Tech Refresh for the Fire Control System (FCS) leaving the missile and guidance system interface unchanged. Also provides Ship/Strategic Weapons Support System (SWSS) SHIPALT's for ship interfaces that comprise of power, missile tube cabling, radio room, and Fire Control (FC) cabling. Installation is accomplished during 50 day refit without missile offload.                                                                                                                                                                                                                          |                                    |                                                                                            |
| SSI Inc 2: Introduction of an integrated Shipboard Data Systems (SDS) which is comprised of Data Recording Subsystem (DRS), Maintenance Information Network (MIN), and Electronic Work Log (EWL) subsystems. The DRS legacy functionality, connectivity, equipment is unchanged. The EWL subsystem provides software upgrades and the Window 7 Operating System upgrade. Provides subsystem SPALTs for SDS and Strategic Weapons System Maintenance Information Network (SWSMIN) and refresh portable computing devices.                                                                                                                                    |                                    |                                                                                            |
| SSI Inc 4: Prerequisites are SSI Inc 1 and 2. Increment 4 provides SWS Subsystem SPALTs which includes Mod 6/7 FCS Refresh SPALT, Navigation (NAV) Radio Frequency (RF) SPALT, SDS SPALT, and Cabling SPALT. For the FC Mod 6/7 Refresh it contains the technical refresh, integration and commonality of the system. The DRS legacy software modifies the support of the new NAV/SHIP/DRS and NAV/FC interfaces and format changes. For Navigation changes, the equipment remains in NAV Center. Supplies the first technical refresh in 25 years for Navigation Aids (NAVAIDS) Electronics, frequency standard, workstation, and NAV Control Panel (NCP). |                                    |                                                                                            |
| SSI Inc 8: Prerequisite is SSI Inc 4. Increment 8 provides replacement of the 30 year old ESGN which needs a refresh of inertial technology components, replacement of the Electronic Equipment Consoles (EEC) , and updates Navigation Subsystem software to accommodate ESGN replacement navigator. Also, provides SWS subsystem SPALTs for FC and TTF NAV Lab trainers, and SDS (DRS) Software SPALT changes which are driven by data requirement changes. The SHIPALTs retain NAV Center bedplate, cabling, chilled water/ventilation, and retain electrical Power.                                                                                     |                                    |                                                                                            |
| SSI Inc 11: Launcher Initiation System (LIS) is being developed for backfit onto OHIO Class D5LE SSI Inc 1 is a prerequisite. This provides a technical refresh of 30+ year old technology to ensure long term system reliability. SHIP/SWSS SHIPALT are to replace electrical cable with hybrid fiber-optic/electrical cable.                                                                                                                                                                                                                                                                                                                              |                                    |                                                                                            |
| SSI Inc 13: Prerequisite is SSI Inc 4. Increment 13 provides Shipboard Systems Refresh for FCS, NAV, and Missile Test and Readiness Equipment (MTRE) to integrate within the subsystems.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                                                                                            |
| SSI Inc 15: Prerequisite is SSI Inc 13. Increment 15 provides pre-configuration and post-configuration support of Increments 8 and 11. This increment provides refresh alterations for fire control equipment, navigation, launcher, and trainer subsystems.                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                                                                                            |
| Launcher and Handling Equipment: Funding provides for launcher and handling equipment alterations to address aging and obsolescence issues. Funds in FY 2016 provides major Launcher SPALT activities such as the Ejector Group Handling Equipment (EGHE) refresh. Funding in FY 2016 also provides for the LIS installation kits in the training facilities and boats.                                                                                                                                                                                                                                                                                     |                                    |                                                                                            |
| Fire Control Equipment: Funding in all years will allow for implementation of Life Cycle Cost Control (LCCC) initiatives aimed at the integration of TRIDENT II SWS subsystem equipment into the Fire Control System (FCS), leveraging off of the MK-98 Mod 4 Fire Control design to implement the first phase of TRIDENT II SSI architecture. The product of these SWS integration efforts will be implementation of an affordable design to meet all operational requirements while minimizing total ownership costs.                                                                                                                                     |                                    |                                                                                            |
| FY 2016 funding provides the following efforts:<br>- Installation of Increment 4 MOD 6 Fire Control Refresh SPALT Kit<br>- Procure SSI Increment 10 Shipboard Data System (SDS) SPALT Kits                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    |                                                                                            |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                    | Date: February 2015                                                                        |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 4: FBM Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    | P-1 Line Item Number / Title:<br>5358 / Strategic Missile Systems Equip                    |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Program Elements for Code B Items: | Other Related Program Elements: 0603570N, 0603595N, 0603561N, 0101228N, 0805376N, 0901211N |
| <p>- SSI Increment 13 Refresh/Redesign of the FCS Electronics</p> <p>Navigation Equipment: Funding in FY 2016 provides for the following efforts:</p> <ul style="list-style-type: none"><li>- Continuing testing of Navigation's software coding</li><li>- Installation and ship installation of SSI Increment 8 Kits</li><li>- Refresh/redesign of the ESGN Replacement (ESGN-R) (SSI Increment 8)</li><li>- Alteration efforts of Engineering drawings</li><li>- Conduct laboratory and at-sea testing prototype for the Inertial Navigation System (INS)</li><li>- Conduct Gyroscope Critical Design Review (CDR), Production Readiness Review (PRR) to include acceptance testing to ensure Gyroscopes specs are met</li><li>- Procure Gyroscopes for SSI Increment 8</li><li>- Initiate Production INS Design, and conduct Preliminary Design Review</li><li>- INS Production Software Test and Development Plan</li><li>- Efforts to support problem correction, fleet documenetation, system modeling and simulations</li><li>- Navigation SPALTs to the legacy ESGN to extend the service life for the fleet usage</li><li>- Independent Verification and Validation for Increment 8 efforts</li><li>- SSI Increment 13 Refresh/Redesign of the Navigation System</li></ul> <p>Instrumentation/Missile Checkout equipment: FY 2016 funding provides for Forecast Instrumentation SPALT for hardware modification to submarine instrumentation of flight systems. Funding also provides MTRE to sync with Fire Control software changes for SSI Inc 13.</p> <p>TRAINING SUPPORT EQUIPMENT (FY16 \$20.776M)</p> <p>This category provides for procurement of, and alterations to, both tactical and non-tactical equipment required at submarine training facilities to train personnel in the operation and maintenance of launcher and handling, fire control, navigation, missile checkout, and test instrumentation subsystems. Each training facility consists of an integrated family of system and unit laboratories that interface with a training simulation system to provide complete and realistic training for replacement and off-crew personnel, both officer and enlisted, as required for manning of SSBNs and shore facilities. Funding is budgeted to procure training-unique equipment required as the result of alterations to SWS tactical equipment, including those associated with D-5 life extension.</p> <p>Funds are required for software and hardware design modification, lab documentation modification, facility modification, and design and system integration, as well as procurement and fabrication of all hardware needed to support Navigation and Fire Control subsystem training at both the TTF, Bangor, and at TTF, Kings Bay. The required effort includes upgrade of the Bangor and Kings Bay Navigation and Fire Control trainers from SSI Increments 4, and 11, Integration of Fire Control SSI Increment 4 and PC Simulation, and for the development of the Virtual Strategic Weapons System (SWSD) classroom trainers. Funding also addresses the need for acquisition of upgrades to the Bangor and Kings Bay TTFs resulting from tactical changes in the TRIDENT II (D5) missile under the Life Extension (LE) program. FY16 tasks will include the SSI Increment 8 PC Simulation that updates the software to the Fire Control System network and modifies the Navigation interface, as well as the procurement of a second missile control center digital trainer at TTF Bangor. There is a gap between the existing training capacity and training requirements for SSBN crews. The shortfall in training capacity resulted in the abbreviated and diminished training for strategic weapons crews.</p> <p>NEW START (FY16 \$15.042M)</p> <p>Funding in this category is in support of the Strategic Arms Reduction Treaty (New START) signed into law on 5 Feburary 2011. New START is a nuclear arms reduction treaty between the United States and the Russian Federation which limits the number of deployed launchers. Funding in FY16 will procure support equipment and associated support for steel closure design, procurement and material support for the missile tubes.</p> |                                    |                                                                                            |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy               |       |                |                  |            |                   |                                                                         |            |                   |                  |            |                   |                  |            |                   | Date: February 2015                                        |            |                   |                  |            |                   |
|-------------------------------------------------------------------------------------------|-------|----------------|------------------|------------|-------------------|-------------------------------------------------------------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------------------------------------------------|------------|-------------------|------------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 4                  |       |                |                  |            |                   | P-1 Line Item Number / Title:<br>5358 / Strategic Missile Systems Equip |            |                   |                  |            |                   |                  |            |                   | Aggregated Items Title:<br>Strategic Missile Systems Equip |            |                   |                  |            |                   |
| Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding. |       |                |                  |            |                   |                                                                         |            |                   |                  |            |                   |                  |            |                   |                                                            |            |                   |                  |            |                   |
| Item Number / Title [DODIC]                                                               | ID CD | MDAP/MAIS Code | Prior Years      |            |                   | FY 2014                                                                 |            |                   | FY 2015          |            |                   | FY 2016 Base     |            |                   | FY 2016 OCO                                                |            |                   | FY 2016 Total    |            |                   |
|                                                                                           |       |                | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K)                                                        | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K)                                           | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) |
| 1) Other Material Support- Launcher and Handling Equipment                                |       |                |                  |            |                   |                                                                         |            |                   |                  |            |                   |                  |            |                   |                                                            |            |                   |                  |            |                   |
| 1.1) Casting Powder Lot Buy <sup>(†)</sup>                                                | A     |                | 1,926.333        | 9          | 17.337            | -                                                                       | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                                                          | -          | -                 | -                | -          |                   |
| 1.2) Gas Generator Production <sup>(†)</sup>                                              | A     |                | 307.250          | 36         | 11.061            | 309.500                                                                 | 8          | 2.476             | 314.500          | 8          | 2.516             | 320.625          | 8          | 2.565             | -                                                          | -          | -                 | 320.625          | 8          | 2.565             |
| 1.3) Launch Tube Closures <sup>(†)</sup>                                                  | A     |                | 530.263          | 19         | 10.075            | 530.000                                                                 | 18         | 9.540             | 539.556          | 18         | 9.712             | -                | -          | -                 | -                                                          | -          | -                 | -                | -          |                   |
| 1.4) Second Explosives Handling Wharf (EHW) Support Equipment                             | A     |                | -                | -          | -                 | -                                                                       | -          | 5.864             | -                | -          | -                 | -                | -          | -                 | -                                                          | -          | -                 | -                | -          |                   |
| 1.5) Second Explosives Handling Wharf (EHW) Outfitting                                    | A     |                | -                | -          | -                 | -                                                                       | -          | 5.925             | -                | -          | -                 | -                | -          | -                 | -                                                          | -          | -                 | -                | -          |                   |
| Subtotal: 1) Other Material Support- Launcher and Handling Equipment                      |       |                | -                | -          | 38.473            | -                                                                       | -          | 23.805            | -                | -          | 12.228            | -                | -          | 2.565             | -                                                          | -          | -                 | -                | -          | 2.565             |
| 2) Other Material Support-Fire Control Equipment                                          |       |                |                  |            |                   |                                                                         |            |                   |                  |            |                   |                  |            |                   |                                                            |            |                   |                  |            |                   |
| 2.1) Nirop Capital Maintenance                                                            | A     |                | -                | -          | 13.790            | -                                                                       | -          | 4.282             | -                | -          | 3.350             | -                | -          | 2.855             | -                                                          | -          | -                 | -                | -          | 2.855             |
| 2.2) Fire Control Auxillary Support Equipment                                             | A     |                | -                | -          | 8.410             | -                                                                       | -          | 0.530             | -                | -          | 0.530             | -                | -          | 1.876             | -                                                          | -          | -                 | -                | -          | 1.876             |
| 2.3) D5 Targeting Hardware                                                                | A     |                | -                | -          | -                 | -                                                                       | -          | -                 | -                | -          | 0.830             | -                | -          | 0.845             | -                                                          | -          | -                 | -                | -          | 0.845             |
| 2.4) Advanced Inventory Logistics (SAIL)                                                  | A     |                | -                | -          | -                 | -                                                                       | -          | -                 | -                | -          | 1.354             | -                | -          | 1.865             | -                                                          | -          | -                 | -                | -          | 1.865             |
| Subtotal: 2) Other Material Support-Fire Control Equipment                                |       |                | -                | -          | 22.200            | -                                                                       | -          | 4.812             | -                | -          | 6.064             | -                | -          | 7.441             | -                                                          | -          | -                 | -                | -          | 7.441             |
| 3) Other Material Support-Navigation Equipment                                            |       |                |                  |            |                   |                                                                         |            |                   |                  |            |                   |                  |            |                   |                                                            |            |                   |                  |            |                   |
| 3.1) Stable Platform and Housing Material Kits <sup>(†)</sup>                             | A     |                | 360.400          | 10         | 3.604             | 358.333                                                                 | 6          | 2.150             | 364.500          | 6          | 2.187             | 371.000          | 5          | 1.855             | -                                                          | -          | -                 | 371.000          | 5          | 1.855             |
| 3.2) Shock Isolation System Kits <sup>(†)</sup>                                           | A     |                | -                | -          | -                 | 720.167                                                                 | 6          | 4.321             | 733.000          | 6          | 4.398             | 747.000          | 6          | 4.482             | -                                                          | -          | -                 | 747.000          | 6          | 4.482             |
| Subtotal: 3) Other Material Support-Navigation Equipment                                  |       |                | -                | -          | 3.604             | -                                                                       | -          | 6.471             | -                | -          | 6.585             | -                | -          | 6.337             | -                                                          | -          | -                 | -                | -          | 6.337             |
| 4) Other Material Support- Instrumentation/Missile Checkout Equipment                     |       |                |                  |            |                   |                                                                         |            |                   |                  |            |                   |                  |            |                   |                                                            |            |                   |                  |            |                   |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                                |  |  |  |  |  |  | <b>Date:</b> February 2015                                        |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 4    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5358 / Strategic Missile Systems Equip |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Strategic Missile Systems Equip |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                                                             | ID CD | MDAP/MAIS Code | Prior Years      |            |                   | FY 2014          |            |                   | FY 2015          |            |                   | FY 2016 Base     |            |                   | FY 2016 OCO      |            |                   | FY 2016 Total    |            |                   |
|-----------------------------------------------------------------------------------------|-------|----------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
|                                                                                         |       |                | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) |
| 4.1) Umbilical Sets/ Kits <sup>(†)</sup>                                                | A     |                | 1,948.000        | 3          | 5.844             | 1,948.000        | 1          | 1.948             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 4.2) Fire Suppression System <sup>(†)</sup>                                             | A     |                | 300.000          | 1          | 0.300             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 4.3) Electronic Documentation Refresh                                                   | A     |                | -                | -          | 1.852             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 4.4) Data System Integration                                                            | A     |                | -                | -          | 0.702             | -                | -          | 0.375             | -                | -          | 0.382             | -                | -          | 0.389             | -                | -          | -                 | -                | -          | 0.389             |
| 4.5) Flight Test Instrumentation (FTI) Refresh                                          | A     |                | -                | -          | 8.492             | -                | -          | 12.899            | -                | -          | 11.293            | -                | -          | 2.750             | -                | -          | -                 | -                | -          | 2.750             |
| <i>Subtotal: 4) Other Material Support- Instrumentation/ Missile Checkout Equipment</i> |       |                | -                | -          | 17.190            | -                | -          | 15.222            | -                | -          | 11.675            | -                | -          | 3.139             | -                | -          | -                 | -                | -          | 3.139             |
| <b>5) Other Material Support- Information Technology</b>                                |       |                |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |
| 5.1) Hardware/ Software IT Procurement                                                  | A     |                | -                | -          | 7.889             | -                | -          | 2.524             | -                | -          | 2.537             | -                | -          | 2.586             | -                | -          | -                 | -                | -          | 2.586             |
| <i>Subtotal: 5) Other Material Support- Information Technology</i>                      |       |                | -                | -          | 7.889             | -                | -          | 2.524             | -                | -          | 2.537             | -                | -          | 2.586             | -                | -          | -                 | -                | -          | 2.586             |
| <b>6) Alterations-Launcher and Handling Equipment</b>                                   |       |                |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |
| 6.1) SSI Increment #11 LIS Redesign                                                     | A     |                | -                | -          | 10.288            | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 6.2) SSI Increment #11 LIS Engineering and Test                                         | A     |                | -                | -          | 3.750             | -                | -          | 7.223             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 6.3) SSI Increment #11 LIS Support Equipment/Fiberoptic Cables                          | A     |                | -                | -          | 3.496             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 6.4) SSI Increment #11 LIS Fiberoptic Cables Installation                               | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | 1.038             | -                | -          | 0.529             | -                | -          | -                 | -                | -          | 0.529             |
| 6.5) LIS Firing Units (FUs)/Launch Safing Units (LSUs) (Shipset) <sup>(†)</sup>         | A     |                | 2,730.000        | 2          | 5.460             | 2,730.000        | 1          | 2.730             | 1,544.000        | 9          | 13.896            | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 6.6) SSI Increment #11 LIS SPALT Installs                                               | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | 2.907             | -                | -          | 1.529             | -                | -          | -                 | -                | -          | 1.529             |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |                                                                                |  |  |  |  |  |  |  |  | <b>Date:</b> February 2015                                        |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 4    |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5358 / Strategic Missile Systems Equip |  |  |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Strategic Missile Systems Equip |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                                             | ID CD | MDAP/MAIS Code | Prior Years      |            |                   | FY 2014          |            |                   | FY 2015          |            |                   | FY 2016 Base     |            |                   | FY 2016 OCO      |            |                   | FY 2016 Total    |            |                   |
|-------------------------------------------------------------------------|-------|----------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
|                                                                         |       |                | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) |
| 6.10) Detonator Power Assembly SPALT <sup>(†)</sup>                     | A     |                | 2,810.000        | 1          | 2.810             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 6.11) Detonator Relay Box SPALT <sup>(†)</sup>                          | A     |                | 1,902.000        | 2          | 3.804             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 6.12) Hoist <sup>(†)</sup>                                              | A     |                | 1,556.500        | 4          | 6.226             | 1,556.500        | 2          | 3.113             | 1,585.000        | 2          | 3.170             | 1,613.500        | 2          | 3.227             | -                | -          | -                 | 1,613.500        | 2          | 3.227             |
| 6.13) Launcher SPALTs                                                   | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | 2.760             | -                | -          | 10.784            | -                | -          | -                 | -                | -          | 10.784            |
| <i>Subtotal: 6) Alterations-Launched and Handling Equipment</i>         |       |                | -                | -          | 35.834            | -                | -          | 13.066            | -                | -          | 23.771            | -                | -          | 16.069            | -                | -          | -                 | -                | -          | 16.069            |
| <b>7) Alterations-Fire Control</b>                                      |       |                |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |
| 7.1) SSI Increment #1 Production (SHIPALT/ SPALT) <sup>(†)</sup>        | A     |                | 3,322.583        | 12         | 39.871            | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 7.2) SSI Increment #2 Refresh/Redesign                                  | A     |                | -                | -          | 8.215             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 7.3) SSI Increment #2 Production <sup>(†)</sup>                         | A     |                | 384.207          | 29         | 11.142            | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 7.4) SSI Increment #4 Refresh/Redesign                                  | A     |                | -                | -          | 20.566            | -                | -          | 5.867             | -                | -          | 1.018             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 7.5) SSI Increment #4 MOD 6 Refresh SPALT Kit Production <sup>(†)</sup> | A     |                | 2,835.188        | 16         | 45.363            | 2,835.000        | 4          | 11.340            | 2,886.000        | 1          | 2.886             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 7.6) SSI Increment #4 Installs                                          | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | 1.145             | -                | -          | -                 | -                | -          | 1.145             |
| 7.7) SSI Increment #10 Shipboard Data System (SDS) SPALT Refresh        | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | 5.804             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 7.8) SSI Increment #10 SDS SPALT Kits <sup>(†)</sup>                    | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | 253.000          | 14         | 3.542             | -                | -          | -                 | 253.000          | 14         | 3.542             |
| 7.10) SSI Increment #11 System Integration Testing                      | A     |                | -                | -          | 5.404             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 7.11) SSI Increment #13 Refresh/Redesign                                | A     |                | -                | -          | -                 | -                | -          | 21.691            | -                | -          | 24.314            | -                | -          | 25.790            | -                | -          | -                 | -                | -          | 25.790            |
| 7.15) Portable Computing Devices (PCD) Refresh SPALT                    | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | 2.906             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                                |  |  |  |  |  |  | <b>Date:</b> February 2015                                        |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 4    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5358 / Strategic Missile Systems Equip |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Strategic Missile Systems Equip |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                                                           | ID CD | MDAP/MAIS Code | Prior Years      |            |                   | FY 2014          |            |                   | FY 2015          |            |                   | FY 2016 Base     |            |                   | FY 2016 OCO      |            |                   | FY 2016 Total    |            |                   |
|---------------------------------------------------------------------------------------|-------|----------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
|                                                                                       |       |                | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) |
| Subtotal: 7) Alterations-Fire Control                                                 |       |                | -                | -          | 130.561           | -                | -          | 38.898            | -                | -          | 36.928            | -                | -          | 30.477            | -                | -          | -                 | -                | -          | 30.477            |
| 8) Alterations-Navigation Equipment                                                   |       |                |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |
| 8.1) SSI Increment #4 Refresh/Redesign                                                | A     |                | -                | -          | 57.650            | -                | -          | 3.110             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          |                   |
| 8.2) SSI Increment #4 Engineering and Test                                            | A     |                | -                | -          | 13.710            | -                | -          | 13.658            | -                | -          | 14.328            | -                | -          | 16.958            | -                | -          | -                 | -                | 16.958     |                   |
| 8.3) SSI Increment #4 On Board Repair Parts (OBRPs)                                   | A     |                | -                | -          | 6.609             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          |                   |
| 8.4) Pre-Production Units (PPUs) Navigation Electronics SPALT Kits <sup>(†)</sup>     | A     |                | 1,450.000        | 3          | 4.350             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          |                   |
| 8.5) SSI Increment #4 Navigation Electronic SPALT Kits <sup>(†)</sup>                 | A     |                | 1,000.000        | 11         | 11.000            | 1,000.000        | 10         | 10.000            | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          |                   |
| 8.6) SSI Increment #4 GPS Receiver Production <sup>(†)</sup>                          | A     |                | 374.400          | 10         | 3.744             | 374.500          | 2          | 0.749             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          |                   |
| 8.7) SSI Increment #4 Navigation SHIPALT and Install                                  | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | 5.301             | -                | -          | -                 | -                | 5.301      |                   |
| 8.8) SSI Increment #8 Refresh/Redesign                                                | A     |                | -                | -          | 96.058            | -                | -          | 23.744            | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          |                   |
| 8.9) SSI Increment #8 Engineering and Test                                            | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | 32.500            | -                | -          | 60.402            | -                | -          | -                 | -                | 60.402     |                   |
| 8.10) SSI Increment #8 SPALT Engineering drawings                                     | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | 3.789             | -                | -          | 3.630             | -                | -          | -                 | -                | 3.630      |                   |
| 8.11) SSI Increment #8 Independent verification and validation (IV&V)                 | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | 3.193             | -                | -          | 3.443             | -                | -          | -                 | -                | 3.443      |                   |
| 8.12) SSI Increment #8 Pre-Production Inertial Navigation System (INS) <sup>(†)</sup> | A     |                | -                | -          | -                 | 1,500.000        | 8          | 12.000            | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          |                   |
| 8.13) SSI Increment #8 Pre-Production Gyroscope <sup>(†)</sup>                        | A     |                | -                | -          | -                 | 400.000          | 30         | 12.000            | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          |                   |
| 8.14) SSI Increment #8 Production Gyroscope <sup>(†)</sup>                            | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | 375.000          | 50         | 18.750            | -                | -          | -                 | 375.000          | 50         | 18.750            |



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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |                                                                                |  |  |  |  |  |  |  |  | <b>Date:</b> February 2015                                        |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 4    |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5358 / Strategic Missile Systems Equip |  |  |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Strategic Missile Systems Equip |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                                                | ID CD | MDAP/MAIS Code | Prior Years      |            |                   | FY 2014          |            |                   | FY 2015          |            |                   | FY 2016 Base     |            |                   | FY 2016 OCO      |            |                   | FY 2016 Total    |            |                   |
|----------------------------------------------------------------------------|-------|----------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|
|                                                                            |       |                | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$ K) | Qty (Each) | Total Cost (\$ M) |
| 8.17) SSI Increment #13 Redesign                                           | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | 8.905             | -                | -          | 14.373            | -                | -          | -                 | -                | -          | 14.373            |
| 8.22) Navigation Sonar System (NSS) Sensor Qualification                   | A     |                | -                | -          | 13.651            | -                | -          | 3.634             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 8.23) Legacy ESGN SPALts                                                   | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | 4.479             | -                | -          | 4.560             | -                | -          | -                 | -                | -          | 4.560             |
| 8.24) TSSS Transducer SPALts                                               | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | 1.242             | -                | -          | 1.472             | -                | -          | -                 | -                | -          | 1.472             |
| 8.25) Navigation Software SPALts                                           | A     |                | -                | -          | -                 | -                | -          | -                 | -                | -          | 4.276             | -                | -          | 3.938             | -                | -          | -                 | -                | -          | 3.938             |
| <i>Subtotal: 8) Alterations- Navigation Equipment</i>                      |       |                | -                | -          | 206.772           | -                | -          | 78.895            | -                | -          | 72.712            | -                | -          | 132.827           | -                | -          | -                 | -                | -          | 132.827           |
| <b>9) Alterations-Instrumentation/Missile Checkout Equipment</b>           |       |                |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |
| 9.1) Forecast Instrumentation SPALts                                       | A     |                | -                | -          | 2.176             | -                | -          | 0.747             | -                | -          | 0.749             | -                | -          | 0.763             | -                | -          | -                 | -                | -          | 0.763             |
| 9.2) SSI Increment #13 Missile Test & Readiness Equipment (MTRE) Refresh   | A     |                | -                | -          | -                 | -                | -          | 4.688             | -                | -          | 2.306             | -                | -          | 2.672             | -                | -          | -                 | -                | -          | 2.672             |
| <i>Subtotal: 9) Alterations-Instrumentation/Missile Checkout Equipment</i> |       |                | -                | -          | 2.176             | -                | -          | 5.435             | -                | -          | 3.055             | -                | -          | 3.435             | -                | -          | -                 | -                | -          | 3.435             |
| <b>10) Training Support Equipment</b>                                      |       |                |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |
| 10.1) Training Support Equipment                                           | A     |                | -                | -          | 50.384            | -                | -          | 9.437             | -                | -          | 8.621             | -                | -          | 20.776            | -                | -          | -                 | -                | -          | 20.776            |
| <i>Subtotal: 10) Training Support Equipment</i>                            |       |                | -                | -          | 50.384            | -                | -          | 9.437             | -                | -          | 8.621             | -                | -          | 20.776            | -                | -          | -                 | -                | -          | 20.776            |
| <b>11) New START</b>                                                       |       |                |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |                  |            |                   |
| 11.1) Ballast Production & Support Equipment                               | A     |                | -                | -          | 0.850             | -                | -          | 4.025             | -                | -          | 3.300             | -                | -          | -                 | -                | -          | -                 | -                | -          | -                 |
| 11.2) Steel Closure Design, Procurement & Material                         | A     |                | -                | -          | 11.421            | -                | -          | 17.894            | -                | -          | 2.456             | -                | -          | 1.842             | -                | -          | -                 | -                | -          | 1.842             |
| 11.3) Material Support, Removed/Converted Hardware                         | A     |                | -                | -          | -                 | -                | -          | 4.000             | -                | -          | 11.900            | -                | -          | 13.200            | -                | -          | -                 | -                | -          | 13.200            |
| <i>Subtotal: 11) New START</i>                                             |       |                | -                | -          | 12.271            | -                | -          | 25.919            | -                | -          | 17.656            | -                | -          | 15.042            | -                | -          | -                 | -                | -          | 15.042            |
| <b>Total</b>                                                               |       |                | -                | -          | <b>527.354</b>    | -                | -          | <b>224.484</b>    | -                | -          | <b>201.832</b>    | -                | -          | <b>240.694</b>    | -                | -          | -                 | -                | -          | <b>240.694</b>    |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |                                                                                | <b>Date:</b> February 2015                                        |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 4    | <b>P-1 Line Item Number / Title:</b><br>5358 / Strategic Missile Systems Equip | <b>Aggregated Items Title:</b><br>Strategic Missile Systems Equip |

(†) indicates the presence of a P-5a

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| <b>Exhibit P-5a, Procurement History and Planning: PB 2016 Navy</b>             |             |      |                                                            |                                                                                |                          |               |                              |               | <b>Date:</b> February 2015                                  |                        |                               |                      |
|---------------------------------------------------------------------------------|-------------|------|------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------|---------------|------------------------------|---------------|-------------------------------------------------------------|------------------------|-------------------------------|----------------------|
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 4 |             |      |                                                            | <b>P-1 Line Item Number / Title:</b><br>5358 / Strategic Missile Systems Equip |                          |               |                              |               | <b>Aggregated Items:</b><br>Strategic Missile Systems Equip |                        |                               |                      |
| Item Number / Title [DODIC]                                                     | O<br>C<br>O | FY   | Contractor and Location                                    | Method/Type<br>or<br>Funding Vehicle                                           | Location of PCO          | Award<br>Date | Date<br>of First<br>Delivery | Qty<br>(Each) | Unit Cost<br>(\$ K)                                         | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |
| <b>1) Other Material Support- Launcher and Handling Equipment</b>               |             |      |                                                            |                                                                                |                          |               |                              |               |                                                             |                        |                               |                      |
| 1.1) Casting Powder Lot Buy                                                     |             | 2011 | NORTHROP GRUMMAN<br>/ Sunnyvale, CA                        | C / CPIF                                                                       | Washington Navy Yard, DC | Oct 2010      | Oct 2012                     | 2             | 1,911.500                                                   | Y                      |                               |                      |
| 1.1) Casting Powder Lot Buy                                                     |             | 2012 | NORTHROP GRUMMAN<br>/ Sunnyvale, CA                        | C / CPIF                                                                       | Washington Navy Yard, DC | Jan 2012      | Jan 2014                     | 5             | 1,938.200                                                   | Y                      |                               |                      |
| 1.1) Casting Powder Lot Buy                                                     |             | 2013 | NORTHROP GRUMMAN<br>/ Sunnyvale, CA                        | C / CPIF                                                                       | Washington Navy Yard, DC | Oct 2012      | Oct 2014                     | 2             | 1,911.500                                                   | Y                      |                               |                      |
| 1.2) Gas Generator Production                                                   |             | 2012 | Alliant Tech Systems<br>/ Rocket Center, WV                | C / CPFF                                                                       | Washington Navy Yard, DC | Jan 2012      | Jan 2014                     | 21            | 305.714                                                     | Y                      |                               |                      |
| 1.2) Gas Generator Production                                                   |             | 2013 | Alliant Tech Systems<br>/ Rocket Center, WV                | C / CPFF                                                                       | Washington Navy Yard, DC | Mar 2013      | Mar 2015                     | 15            | 309.400                                                     | Y                      |                               |                      |
| 1.2) Gas Generator Production                                                   |             | 2014 | Alliant Tech Systems<br>/ Rocket Center, WV                | C / CPFF                                                                       | Washington Navy Yard, DC | Dec 2013      | Dec 2015                     | 8             | 309.500                                                     | Y                      |                               |                      |
| 1.2) Gas Generator Production                                                   |             | 2015 | Alliant Tech Systems<br>/ Rocket Center, WV                | C / CPFF                                                                       | Washington Navy Yard, DC | Feb 2015      | Feb 2017                     | 8             | 314.500                                                     | Y                      |                               |                      |
| 1.2) Gas Generator Production                                                   |             | 2016 | Alliant Tech Systems<br>/ Rocket Center, WV                | C / TBD                                                                        | Washington Navy Yard, DC | Oct 2015      | Oct 2017                     | 8             | 320.625                                                     | Y                      |                               |                      |
| 1.3) Launch Tube Closures <sup>(t)</sup>                                        |             | 2012 | NORTHROP GRUMMAN (Launch<br>Tube Closures) / Sunnyvale, CA | C / CPIF                                                                       | Washington Navy Yard, DC | Feb 2012      | Feb 2014                     | 19            | 530.260                                                     | Y                      |                               |                      |
| 1.3) Launch Tube Closures <sup>(t)</sup>                                        |             | 2014 | NORTHROP GRUMMAN (Launch<br>Tube Closures) / Sunnyvale, CA | C / CPIF                                                                       | Washington Navy Yard, DC | Dec 2013      | Dec 2015                     | 18            | 530.000                                                     | Y                      |                               |                      |
| 1.3) Launch Tube Closures <sup>(t)</sup>                                        |             | 2015 | NORTHROP GRUMMAN (Launch<br>Tube Closures) / Sunnyvale, CA | C / CPIF                                                                       | Washington Navy Yard, DC | Feb 2015      | Feb 2017                     | 18            | 539.556                                                     | Y                      |                               |                      |
| <b>3) Other Material Support-Navigation Equipment</b>                           |             |      |                                                            |                                                                                |                          |               |                              |               |                                                             |                        |                               |                      |
| 3.1) Stable Platform and Housing<br>Material Kits                               |             | 2011 | Boeing / Anaheim, CA                                       | C / CPFF                                                                       | Washington Navy Yard, DC | Mar 2011      | Oct 2012                     | 2             | 360.500                                                     | Y                      |                               |                      |
| 3.1) Stable Platform and Housing<br>Material Kits                               |             | 2012 | Boeing / Anaheim, CA                                       | C / CPFF                                                                       | Washington Navy Yard, DC | Oct 2011      | Oct 2013                     | 2             | 366.500                                                     | Y                      |                               |                      |
| 3.1) Stable Platform and Housing<br>Material Kits                               |             | 2013 | Boeing / Anaheim, CA                                       | C / CPFF                                                                       | Washington Navy Yard, DC | Nov 2012      | Nov 2014                     | 6             | 358.330                                                     | Y                      |                               |                      |
| 3.1) Stable Platform and Housing<br>Material Kits                               |             | 2014 | Boeing / Anaheim, CA                                       | C / CPFF                                                                       | Washington Navy Yard, DC | Jan 2014      | Jan 2016                     | 6             | 358.333                                                     | Y                      |                               |                      |
| 3.1) Stable Platform and Housing<br>Material Kits                               |             | 2015 | Boeing / Anaheim, CA                                       | C / CPFF                                                                       | Washington Navy Yard, DC | Feb 2015      | Feb 2017                     | 6             | 364.500                                                     | Y                      |                               |                      |
| 3.1) Stable Platform and Housing<br>Material Kits                               |             | 2016 | Boeing / Anaheim, CA                                       | C / TBD                                                                        | Washington Navy Yard, DC | Oct 2015      | Oct 2017                     | 5             | 371.000                                                     | Y                      |                               |                      |
| 3.2) Shock Isolation System Kits                                                |             | 2014 | Boeing / Anaheim, CA                                       | C / CPIF                                                                       | Washington Navy Yard, DC | Jan 2014      | Jan 2015                     | 6             | 720.167                                                     | Y                      |                               |                      |
| 3.2) Shock Isolation System Kits                                                |             | 2015 | Boeing / Anaheim, CA                                       | C / CPIF                                                                       | Washington Navy Yard, DC | Feb 2015      | Feb 2016                     | 6             | 733.000                                                     | Y                      |                               |                      |
| 3.2) Shock Isolation System Kits                                                |             | 2016 | Boeing / Anaheim, CA                                       | C / TBD                                                                        | Washington Navy Yard, DC | Oct 2015      | Oct 2016                     | 6             | 747.000                                                     | N                      |                               |                      |

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| <b>Exhibit P-5a, Procurement History and Planning: PB 2016 Navy</b>                |                      |           |                                                                                           |                                                                                |                                                     |                       |                                       |                       | <b>Date:</b> February 2015                                  |                                 |                                        |                               |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 4    |                      |           |                                                                                           | <b>P-1 Line Item Number / Title:</b><br>5358 / Strategic Missile Systems Equip |                                                     |                       |                                       |                       | <b>Aggregated Items:</b><br>Strategic Missile Systems Equip |                                 |                                        |                               |
| <b>Item Number / Title [DODIC]</b>                                                 | <b>O<br/>C<br/>O</b> | <b>FY</b> | <b>Contractor and Location</b>                                                            | <b>Method/Type<br/>or<br/>Funding Vehicle</b>                                  | <b>Location of PCO</b>                              | <b>Award<br/>Date</b> | <b>Date<br/>of First<br/>Delivery</b> | <b>Qty<br/>(Each)</b> | <b>Unit Cost<br/>(\$ K)</b>                                 | <b>Specs<br/>Avail<br/>Now?</b> | <b>Date<br/>Revision<br/>Available</b> | <b>RFP<br/>Issue<br/>Date</b> |
| <b>4) Other Material Support- Instrumentation/Missile Checkout Equipment</b>       |                      |           |                                                                                           |                                                                                |                                                     |                       |                                       |                       |                                                             |                                 |                                        |                               |
| 4.1) Umbilical Sets/Kits                                                           |                      | 2011      | Lockheed Martin / Sunnyvale, CA                                                           | C / CPIF                                                                       | Washington Navy Yard, DC                            | Aug 2011              | Aug 2014                              | 1                     | 1,948.000                                                   | Y                               |                                        |                               |
| 4.1) Umbilical Sets/Kits                                                           |                      | 2012      | Lockheed Martin / Sunnyvale, CA                                                           | C / CPIF                                                                       | Washington Navy Yard, DC                            | Apr 2012              | Apr 2015                              | 1                     | 1,948.000                                                   | Y                               |                                        |                               |
| 4.1) Umbilical Sets/Kits                                                           |                      | 2013      | Lockheed Martin / Sunnyvale, CA                                                           | C / CPIF                                                                       | Washington Navy Yard, DC                            | Dec 2012              | Dec 2015                              | 1                     | 1,948.000                                                   | Y                               |                                        |                               |
| 4.1) Umbilical Sets/Kits                                                           |                      | 2014      | Lockheed Martin / Sunnyvale, CA                                                           | C / CPIF                                                                       | Washington Navy Yard, DC                            | Dec 2013              | Dec 2016                              | 1                     | 1,948.000                                                   | Y                               |                                        |                               |
| 4.2) Fire Suppression System                                                       |                      | 2011      | Naval Ordnance Test Unit<br>/ Cape Canaveral, FL                                          | C / TBD                                                                        | Washington Navy Yard, DC                            | Oct 2010              | Oct 2011                              | 1                     | 300.000                                                     | Y                               |                                        |                               |
| <b>6) Alterations-Launcher and Handling Equipment</b>                              |                      |           |                                                                                           |                                                                                |                                                     |                       |                                       |                       |                                                             |                                 |                                        |                               |
| 6.5) LIS Firing Units (FUs)/Launch<br>Safing Units (LSUs) (Shipset) <sup>(†)</sup> |                      | 2013      | NORTHROP GRUMMAN (LIS<br>Firing Units (FUs)/Launch Safing<br>Units (LSUs) / Sunnyvale, CA | C / CPIF                                                                       | Washington Navy Yard, DC                            | Oct 2012              | Oct 2016                              | 2                     | 2,730.000                                                   | Y                               |                                        |                               |
| 6.5) LIS Firing Units (FUs)/Launch<br>Safing Units (LSUs) (Shipset) <sup>(†)</sup> |                      | 2014      | NORTHROP GRUMMAN (LIS<br>Firing Units (FUs)/Launch Safing<br>Units (LSUs) / Sunnyvale, CA | C / FFP                                                                        | Washington Navy Yard, DC                            | Dec 2013              | Dec 2017                              | 1                     | 2,730.000                                                   | Y                               |                                        |                               |
| 6.5) LIS Firing Units (FUs)/Launch<br>Safing Units (LSUs) (Shipset) <sup>(†)</sup> |                      | 2015      | NORTHROP GRUMMAN (LIS<br>Firing Units (FUs)/Launch Safing<br>Units (LSUs) / Sunnyvale, CA | C / FFP                                                                        | Washington Navy Yard, DC                            | Feb 2015              | Feb 2019                              | 9                     | 1,544.000                                                   | Y                               |                                        |                               |
| 6.10) Detonator Power Assembly<br>SPALT                                            |                      | 2012      | NORTHROP GRUMMAN<br>/ Sunnyvale, CA                                                       | C / CPIF                                                                       | Washington Navy Yard,<br>DCWashington Navy Yard, DC | Dec 2011              | Oct 2012                              | 1                     | 2,810.000                                                   | N                               |                                        |                               |
| 6.11) Detonator Relay Box SPALT                                                    |                      | 2012      | NORTHROP GRUMMAN<br>/ Sunnyvale, CA                                                       | C / CPIF                                                                       | Washington Navy Yard, DC                            | Dec 2011              | Oct 2012                              | 1                     | 1,902.000                                                   | N                               |                                        |                               |
| 6.11) Detonator Relay Box SPALT                                                    |                      | 2013      | NORTHROP GRUMMAN<br>/ Sunnyvale, CA                                                       | C / CPIF                                                                       | Washington Navy Yard, DC                            | Oct 2012              | Oct 2013                              | 1                     | 1,902.000                                                   | N                               |                                        |                               |
| 6.12) Hoist                                                                        |                      | 2012      | NORTHROP GRUMMAN<br>/ Sunnyvale, CA                                                       | C / CPFF                                                                       | Washington Navy Yard,<br>DCWashington Navy Yard, DC | Mar 2012              | Jun 2014                              | 2                     | 1,556.500                                                   | Y                               |                                        |                               |
| 6.12) Hoist                                                                        |                      | 2013      | NORTHROP GRUMMAN<br>/ Sunnyvale, CA                                                       | C / CPFF                                                                       | Washington Navy Yard,<br>DCWashington Navy Yard, DC | Oct 2012              | Jan 2015                              | 2                     | 1,556.500                                                   | Y                               |                                        |                               |
| 6.12) Hoist                                                                        |                      | 2014      | NORTHROP GRUMMAN<br>/ Sunnyvale, CA                                                       | C / CPFF                                                                       | Washington Navy Yard,<br>DCWashington Navy Yard, DC | Dec 2013              | Mar 2016                              | 2                     | 1,556.500                                                   | Y                               |                                        |                               |
| 6.12) Hoist                                                                        |                      | 2015      | NORTHROP GRUMMAN<br>/ Sunnyvale, CA                                                       | C / CPFF                                                                       | Washington Navy Yard, DC                            | Feb 2015              | May 2017                              | 2                     | 1,585.000                                                   | Y                               |                                        |                               |
| 6.12) Hoist                                                                        |                      | 2016      | NORTHROP GRUMMAN<br>/ Sunnyvale, CA                                                       | C / TBD                                                                        | Washington Navy Yard, DC                            | Oct 2015              | Jan 2018                              | 2                     | 1,613.500                                                   | Y                               |                                        |                               |
| <b>7) Alterations-Fire Control</b>                                                 |                      |           |                                                                                           |                                                                                |                                                     |                       |                                       |                       |                                                             |                                 |                                        |                               |
| 7.1) SSI Increment #1 Production<br>(SHIPALT/SPALT) <sup>(†)</sup>                 |                      | 2011      | General Dynamics(SSi Increment<br>#1 Production (SHIPALT/<br>SPALT)) / Pittsfield, MA     | C / CPIF                                                                       | Washington Navy Yard,<br>DCWashington Navy Yard, DC | Jun 2011              | Jun 2013                              | 8                     | 2,882.380                                                   | Y                               |                                        |                               |
| 7.1) SSI Increment #1 Production<br>(SHIPALT/SPALT) <sup>(†)</sup>                 |                      | 2012      | General Dynamics(SSi Increment<br>#1 Production (SHIPALT/<br>SPALT)) / Pittsfield, MA     | C / CPIF                                                                       | Washington Navy Yard,<br>DCWashington Navy Yard, DC | Dec 2011              | Dec 2013                              | 1                     | 4,203.000                                                   | Y                               |                                        |                               |

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| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy                          |             |      |                                                                                          |                                      |                                                      |               |                              | Date: February 2015                                  |                     |                        |                               |                      |
|---------------------------------------------------------------------------------------|-------------|------|------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------|---------------|------------------------------|------------------------------------------------------|---------------------|------------------------|-------------------------------|----------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 4              |             |      | P-1 Line Item Number / Title:<br>5358 / Strategic Missile Systems Equip                  |                                      |                                                      |               |                              | Aggregated Items:<br>Strategic Missile Systems Equip |                     |                        |                               |                      |
| Item Number / Title [DODIC]                                                           | O<br>C<br>O | FY   | Contractor and Location                                                                  | Method/Type<br>or<br>Funding Vehicle | Location of PCO                                      | Award<br>Date | Date<br>of First<br>Delivery | Qty<br>(Each)                                        | Unit Cost<br>(\$ K) | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |
| 7.1) SSI Increment #1 Production (SHIPALT/SPALT) <sup>(†)</sup>                       |             | 2013 | General Dynamics(SSl Increment #1 Production (SHIPALT/ SPALT)) / Pittsfield, MA          | C / CPIF                             | Washington Navy Yard, DC<br>Washington Navy Yard, DC | Dec 2012      | Dec 2014                     | 3                                                    | 4,203.000           | Y                      |                               |                      |
| 7.3) SSI Increment #2 Production <sup>(†)</sup>                                       |             | 2011 | General Dynamics (SSI Increment #2 Production) / Pittsfield, MA                          | C / CPIF                             | Washington Navy Yard, DC<br>Washington Navy Yard, DC | Oct 2010      | Oct 2012                     | 25                                                   | 388.840             | N                      |                               |                      |
| 7.3) SSI Increment #2 Production <sup>(†)</sup>                                       |             | 2012 | General Dynamics (SSI Increment #2 Production) / Pittsfield, MA                          | C / CPIF                             | Washington Navy Yard, DC<br>Washington Navy Yard, DC | Dec 2011      | Oct 2013                     | 4                                                    | 355.250             | N                      |                               |                      |
| 7.5) SSI Increment #4 MOD 6 Refresh SPALT Kit Production <sup>(†)</sup>               |             | 2012 | General Dynamics (SSI Increment #4 MOD 6 Refresh SPALT Kit Production ) / Pittsfield, MA | C / CPIF                             | Washington Navy Yard, DC<br>Washington Navy Yard, DC | Dec 2011      | Oct 2014                     | 6                                                    | 2,835.500           | Y                      |                               |                      |
| 7.5) SSI Increment #4 MOD 6 Refresh SPALT Kit Production <sup>(†)</sup>               |             | 2013 | General Dynamics (SSI Increment #4 MOD 6 Refresh SPALT Kit Production ) / Pittsfield, MA | C / CPIF                             | Washington Navy Yard, DC<br>Washington Navy Yard, DC | Dec 2012      | Dec 2015                     | 10                                                   | 2,835.000           | Y                      |                               |                      |
| 7.5) SSI Increment #4 MOD 6 Refresh SPALT Kit Production <sup>(†)</sup>               |             | 2014 | General Dynamics (SSI Increment #4 MOD 6 Refresh SPALT Kit Production ) / Pittsfield, MA | C / CPIF                             | Washington Navy Yard, DC<br>Washington Navy Yard, DC | Dec 2013      | Dec 2016                     | 4                                                    | 2,835.000           | Y                      |                               |                      |
| 7.5) SSI Increment #4 MOD 6 Refresh SPALT Kit Production <sup>(†)</sup>               |             | 2015 | General Dynamics (SSI Increment #4 MOD 6 Refresh SPALT Kit Production ) / Pittsfield, MA | C / TBD                              | Washington Navy Yard, DC                             | Feb 2015      | Feb 2018                     | 1                                                    | 2,886.000           | Y                      |                               |                      |
| 7.8) SSI Increment #10 SDS SPALT Kits                                                 |             | 2016 | General Dynamics (SSI Increment #10 SDS SPALT kit) / Pittsfield, MA                      | C / CPIF                             | Washington Navy Yard, DC<br>Washington Navy Yard, DC | Oct 2015      | Oct 2017                     | 14                                                   | 253.000             | N                      |                               |                      |
| 8) Alterations-Navigation Equipment                                                   |             |      |                                                                                          |                                      |                                                      |               |                              |                                                      |                     |                        |                               |                      |
| 8.4) Pre-Production Units (PPUs) Navigation Electronics SPALT Kits                    |             | 2012 | Lockheed Martin / Mitchfield, NY                                                         | C / CPIF                             | Washington Navy Yard, DC<br>Washington Navy Yard, DC | Oct 2011      | Oct 2012                     | 3                                                    | 1,450.000           | N                      |                               |                      |
| 8.5) SSI Increment #4 Navigation Electronic SPALT Kits <sup>(†)</sup>                 |             | 2013 | Lockheed Martin (SSI Increment #4 Navigation Electronic SPALT Kits) / Mitchfield, NY     | C / CPIF                             | Washington Navy Yard, DC<br>Washington Navy Yard, DC | Nov 2012      | Nov 2014                     | 11                                                   | 1,000.000           | Y                      |                               |                      |
| 8.5) SSI Increment #4 Navigation Electronic SPALT Kits <sup>(†)</sup>                 |             | 2014 | Lockheed Martin (SSI Increment #4 Navigation Electronic SPALT Kits) / Mitchfield, NY     | C / CPIF                             | Washington Navy Yard, DC<br>Washington Navy Yard, DC | Dec 2013      | Dec 2015                     | 10                                                   | 1,000.000           | Y                      |                               |                      |
| 8.6) SSI Increment #4 GPS Receiver Production                                         |             | 2013 | Lockheed Martin / Mitchfield, NY                                                         | C / CPIF                             | Washington Navy Yard, DC<br>Washington Navy Yard, DC | Nov 2012      | Nov 2013                     | 10                                                   | 374.400             | Y                      |                               |                      |
| 8.6) SSI Increment #4 GPS Receiver Production                                         |             | 2014 | Lockheed Martin / Mitchfield, NY                                                         | C / CPIF                             | Washington Navy Yard, DC<br>Washington Navy Yard, DC | Dec 2013      | Dec 2014                     | 2                                                    | 374.500             | Y                      |                               |                      |
| 8.12) SSI Increment #8 Pre-Production Inertial Navigation System (INS) <sup>(†)</sup> |             | 2014 | Lockheed Martin (SSI Increment #8 EDM Inertial Navigation System (INS)) / Mitchfield, NY | C / CPIF                             | Washington Navy Yard, DC<br>Washington Navy Yard, DC | Dec 2013      | Dec 2014                     | 8                                                    | 1,500.000           | Y                      |                               |                      |
| 8.13) SSI Increment #8 Pre-Production Gyroscope <sup>(†)</sup>                        |             | 2014 | Lockheed Martin (SSI Increment #8 EDM Gyroscope) / Mitchfield, NY                        | C / CPIF                             | Washington Navy Yard, DC<br>Washington Navy Yard, DC | Dec 2013      | Dec 2014                     | 30                                                   | 400.000             | Y                      |                               |                      |

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|--------------------------------------------------------------------------|-------------|------|---------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------|---------------|------------------------------|------------------------------------------------------|----------------------------|------------------------|-------------------------------|----------------------|
| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy             |             |      |                                                               |                                                                         |                          |               |                              | Date: February 2015                                  |                            |                        |                               |                      |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 4 |             |      |                                                               | P-1 Line Item Number / Title:<br>5358 / Strategic Missile Systems Equip |                          |               |                              | Aggregated Items:<br>Strategic Missile Systems Equip |                            |                        |                               |                      |
| Item Number / Title [DODIC]                                              | O<br>C<br>O | FY   | Contractor and Location                                       | Method/Type<br>or<br>Funding Vehicle                                    | Location of PCO          | Award<br>Date | Date<br>of First<br>Delivery | Qty<br><i>(Each)</i>                                 | Unit Cost<br><i>(\$ K)</i> | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |
| 8.14) SSI Increment #8 Production Gyroscope <sup>(†)</sup>               |             | 2016 | Lockheed Martin (SSI Increment #8 Gyroscope) / Mitchfield, NY | C / CPIF                                                                | Washington Navy Yard, DC | Oct 2015      | Jan 2017                     | 50                                                   | 375.000                    | Y                      |                               |                      |

<sup>(†)</sup> indicates the presence of a P-21

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| Exhibit P-21, Production Schedule: PB 2016 Navy                          |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             | Date: February 2015                                  |             |             |             |             |             |             |             |             |             |             |             |   |   |
|--------------------------------------------------------------------------|------------------|------|---------|-------------|----------------------------------------|------------------------------|--------------------|-------------|-------------|-------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------|-------------|-------------|------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|---|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 4 |                  |      |         |             |                                        |                              |                    |             |             | P-1 Line Item Number / Title:<br>5358 / Strategic Missile Systems Equip |             |             |             |             |             |             |                    |             |             | Aggregated Items:<br>Strategic Missile Systems Equip |             |             |             |             |             |             |             |             |             |             |             |   |   |
| Items<br>(Units in Each)                                                 |                  |      |         |             |                                        |                              | Fiscal Year 2017   |             |             |                                                                         |             |             |             |             |             |             | Fiscal Year 2018   |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |   |   |
| O<br>C<br>C<br>#                                                         | M<br>F<br>R<br># | FY   | SERVICE | PROC<br>QTY | ACCEPT<br>PRIOR<br>TO 1<br>OCT<br>2016 | BAL<br>DUE<br>AS OF<br>1 OCT | Calendar Year 2017 |             |             |                                                                         |             |             |             |             |             |             | Calendar Year 2018 |             |             |                                                      |             |             |             |             |             |             | B<br>A<br>L |             |             |             |             |   |   |
|                                                                          |                  |      |         |             |                                        |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                                             | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G        | S<br>E<br>P | O<br>C<br>T | N<br>O<br>V                                          | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y |             | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P |   |   |
| 1) Other Material Support- Launcher and Handling Equipment               |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |   |   |
| 1.3) Launch Tube Closures                                                |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |   |   |
|                                                                          | 4                | 2012 | NAVY    | 19          | 19                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             | - |   |
|                                                                          | 4                | 2014 | NAVY    | 18          | 18                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             | - |   |
|                                                                          | 4                | 2015 | NAVY    | 18          | -                                      | 18                           | -                  | -           | -           | -                                                                       | 2           | 2           | 2           | 2           | 2           | 2           | 2                  | 2           | -           | -                                                    | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | - |   |
| 6) Alterations-Launcher and Handling Equipment                           |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |   |   |
| 6.5) LIS Firing Units (FUs)/Launch Safing Units (LSUs) (Shipset)         |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |   |   |
|                                                                          | 5                | 2013 | NAVY    | 2           | -                                      | 2                            | 1                  | 1           |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |   | - |
|                                                                          | 5                | 2014 | NAVY    | 1           | -                                      | 1                            | -                  | -           | -           | -                                                                       | -           | -           | -           | -           | -           | -           | -                  | -           | -           | 1                                                    |             |             |             |             |             |             |             |             |             |             |             | - |   |
|                                                                          | 5                | 2015 | NAVY    | 9           | -                                      | 9                            | -                  | -           | -           | -                                                                       | -           | -           | -           | -           | -           | -           | -                  | -           | -           | -                                                    | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | 9           |   |   |
| 7) Alterations-Fire Control                                              |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |   |   |
| 7.1) SSI Increment #1 Production (SHIPALT/SPALT)                         |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |   |   |
|                                                                          | 6                | 2011 | NAVY    | 8           | 8                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             | - |   |
|                                                                          | 6                | 2012 | NAVY    | 1           | 1                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             | - |   |
|                                                                          | 6                | 2013 | NAVY    | 3           | 3                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             | - |   |
| 7.3) SSI Increment #2 Production                                         |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |   |   |
|                                                                          | 7                | 2011 | NAVY    | 25          | 25                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             | - |   |
|                                                                          | 7                | 2012 | NAVY    | 4           | 4                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             | - |   |
| 7.5) SSI Increment #4 MOD 6 Refresh SPALT Kit Production                 |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |   |   |
|                                                                          | 8                | 2012 | NAVY    | 6           | 6                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             | - |   |
|                                                                          | 8                | 2013 | NAVY    | 10          | 10                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             | - |   |
|                                                                          | 8                | 2014 | NAVY    | 4           | -                                      | 4                            | -                  | -           | 1           | 1                                                                       | 1           | 1           |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             | -           |   |   |
|                                                                          | 8                | 2015 | NAVY    | 1           | -                                      | 1                            | -                  | -           | -           | -                                                                       | -           | -           | -           | -           | -           | -           | -                  | -           | -           | -                                                    | 1           |             |             |             |             |             |             |             |             |             |             | - |   |
| 8) Alterations-Navigation Equipment                                      |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |   |   |
| 8.5) SSI Increment #4 Navigation Electronic SPALT Kits                   |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |   |   |
|                                                                          | 9                | 2013 | NAVY    | 11          | 11                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             | - |   |
|                                                                          | 9                | 2014 | NAVY    | 10          | 10                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             | - |   |
| 8.12) SSI Increment #8 Pre-Production Inertial Navigation System (INS)   |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |   |   |
|                                                                          | 10               | 2014 | NAVY    | 8           | 8                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             | - |   |
| 8.13) SSI Increment #8 Pre-Production Gyroscope                          |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |   |   |
|                                                                          | 11               | 2014 | NAVY    | 30          | 30                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             | - |   |
| 8.14) SSI Increment #8 Production Gyroscope                              |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |                    |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |   |   |
|                                                                          | 12               | 2016 | NAVY    | 50          | -                                      | 50                           | -                  | -           | -           | 5                                                                       | 5           | 5           | 5           | 5           | 5           | 5           | 5                  | 5           | -           | -                                                    | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           |   |   |
|                                                                          |                  |      |         |             |                                        |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                                             | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G        | S<br>E<br>P | O<br>C<br>T | N<br>O<br>V                                          | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |   |   |

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|--------------------------------------------------------------------------|------------------|------|---------|-------------|----------------------------------------|------------------------------|--------------------|-------------|-------------|-------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|-------------|
| Exhibit P-21, Production Schedule: PB 2016 Navy                          |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             | Date: February 2015                                  |             |             |             |             |             |             |             |             |             |             |             |  |             |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 4 |                  |      |         |             |                                        |                              |                    |             |             | P-1 Line Item Number / Title:<br>5358 / Strategic Missile Systems Equip |             |             |             |             |             |             |             |             |             | Aggregated Items:<br>Strategic Missile Systems Equip |             |             |             |             |             |             |             |             |             |             |             |  |             |
| Items<br>(Units in Each)                                                 |                  |      |         |             |                                        |                              | Fiscal Year 2019   |             |             |                                                                         |             |             |             |             |             |             |             |             |             | Fiscal Year 2020                                     |             |             |             |             |             |             |             |             |             |             |             |  |             |
| O<br>C<br>O                                                              | M<br>F<br>R<br># | FY   | SERVICE | PROC<br>QTY | ACCEPT<br>PRIOR<br>TO 1<br>OCT<br>2018 | BAL<br>DUE<br>AS OF<br>1 OCT | Calendar Year 2019 |             |             |                                                                         |             |             |             |             |             |             |             |             |             | Calendar Year 2020                                   |             |             |             |             |             |             |             |             |             |             |             |  | B<br>A<br>L |
|                                                                          |                  |      |         |             |                                        |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                                             | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | O<br>C<br>T | N<br>O<br>V                                          | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P |             |  |             |
| 1) Other Material Support- Launcher and Handling Equipment               |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  |             |
| 1.3) Launch Tube Closures                                                |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  |             |
|                                                                          | 4                | 2012 | NAVY    | 19          | 19                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
|                                                                          | 4                | 2014 | NAVY    | 18          | 18                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
|                                                                          | 4                | 2015 | NAVY    | 18          | 18                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
| 6) Alterations-Launcher and Handling Equipment                           |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  |             |
| 6.5) LIS Firing Units (FUs)/Launch Safing Units (LSUs) (Shipset)         |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  |             |
|                                                                          | 5                | 2013 | NAVY    | 2           | 2                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
|                                                                          | 5                | 2014 | NAVY    | 1           | 1                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
|                                                                          | 5                | 2015 | NAVY    | 9           | -                                      | 9                            | -                  | -           | -           | -                                                                       | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | 1           |                                                      |             |             |             |             |             |             |             |             |             | -           |             |  |             |
| 7) Alterations-Fire Control                                              |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  |             |
| 7.1) SSI Increment #1 Production (SHIPALT/SPALT)                         |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  |             |
|                                                                          | 6                | 2011 | NAVY    | 8           | 8                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
|                                                                          | 6                | 2012 | NAVY    | 1           | 1                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
|                                                                          | 6                | 2013 | NAVY    | 3           | 3                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
| 7.3) SSI Increment #2 Production                                         |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  |             |
|                                                                          | 7                | 2011 | NAVY    | 25          | 25                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
|                                                                          | 7                | 2012 | NAVY    | 4           | 4                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
| 7.5) SSI Increment #4 MOD 6 Refresh SPALT Kit Production                 |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  |             |
|                                                                          | 8                | 2012 | NAVY    | 6           | 6                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
|                                                                          | 8                | 2013 | NAVY    | 10          | 10                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
|                                                                          | 8                | 2014 | NAVY    | 4           | 4                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
|                                                                          | 8                | 2015 | NAVY    | 1           | 1                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
| 8) Alterations-Navigation Equipment                                      |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  |             |
| 8.5) SSI Increment #4 Navigation Electronic SPALT Kits                   |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  |             |
|                                                                          | 9                | 2013 | NAVY    | 11          | 11                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
|                                                                          | 9                | 2014 | NAVY    | 10          | 10                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
| 8.12) SSI Increment #8 Pre-Production Inertial Navigation System (INS)   |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  |             |
|                                                                          | 10               | 2014 | NAVY    | 8           | 8                                      | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
| 8.13) SSI Increment #8 Pre-Production Gyroscope                          |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  |             |
|                                                                          | 11               | 2014 | NAVY    | 30          | 30                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
| 8.14) SSI Increment #8 Production Gyroscope                              |                  |      |         |             |                                        |                              |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  |             |
|                                                                          | 12               | 2016 | NAVY    | 50          | 50                                     | -                            |                    |             |             |                                                                         |             |             |             |             |             |             |             |             |             |                                                      |             |             |             |             |             |             |             |             |             |             |             |  | -           |
|                                                                          |                  |      |         |             |                                        |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                                             | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | O<br>C<br>T | N<br>O<br>V                                          | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |  |             |

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| Exhibit P-21, Production Schedule: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                          |                                |                |              |                                                                         |                 |         |                   | Date: February 2015 |                                                      |         |                   |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------|----------------|--------------|-------------------------------------------------------------------------|-----------------|---------|-------------------|---------------------|------------------------------------------------------|---------|-------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                          |                                |                |              | P-1 Line Item Number / Title:<br>5358 / Strategic Missile Systems Equip |                 |         |                   |                     | Aggregated Items:<br>Strategic Missile Systems Equip |         |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                          | Production Rates (Each / Year) |                |              | Procurement Leadtime (Months)                                           |                 |         |                   |                     |                                                      |         |                   |  |
| MFR Ref #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MFR Name - Location                                                                      | MSR For 2016                   | 1-8-5 For 2016 | MAX For 2016 | Initial                                                                 |                 |         |                   | Reorder             |                                                      |         |                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                          |                                |                |              | ALT Prior to Oct 1                                                      | ALT After Oct 1 | Mfg PLT | Total After Oct 1 | ALT Prior to Oct 1  | ALT After Oct 1                                      | Mfg PLT | Total After Oct 1 |  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NORTHROP GRUMMAN (Launch Tube Closures) - Sunnyvale, CA                                  | 17                             | 24             | 36           | -                                                                       | 2               | 24      | 26                | -                   | 2                                                    | 24      | 26                |  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NORTHROP GRUMMAN (LIS Firing Units (FUs)/ Launch Safing Units (LSUs) - Sunnyvale, CA     | 10                             | 12             | 24           | -                                                                       | 2               | 24      | 26                | -                   | 2                                                    | 24      | 26                |  |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | General Dynamics(SSl Increment #1 Production (SHIPALT/SPALT)) - Pittsfield, MA           | 1                              | 12             | 24           | -                                                                       | 2               | 24      | 26                | -                   | 2                                                    | 24      | 26                |  |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | General Dynamics (SSl Increment #2 Production) - Pittsfield, MA                          | 4                              | 36             | 48           | -                                                                       | 2               | 24      | 26                | -                   | 2                                                    | 24      | 26                |  |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | General Dynamics (SSl Increment #4 MOD 6 Refresh SPALT Kit Production ) - Pittsfield, MA | 4                              | 12             | 24           | -                                                                       | 2               | 24      | 26                | -                   | 2                                                    | 24      | 26                |  |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lockheed Martin (SSl Increment #4 Navigation Electronic SPALT Kits) - Mitchfield,NY      | 10                             | 10             | 12           | -                                                                       | 2               | 24      | 26                | -                   | 2                                                    | 24      | 26                |  |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lockheed Martin (SSl Increment #8 EDM Inertial Navigation System (INS)) - Mitchfield,NY  | 8                              | 12             | 24           | -                                                                       | -               | 12      | 12                | -                   | -                                                    | 12      | 12                |  |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lockheed Martin (SSl Increment #8 EDM Gyroscope) - Mitchfield, NY                        | 30                             | 36             | 48           | -                                                                       | -               | 12      | 12                | -                   | -                                                    | 12      | 12                |  |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Lockheed Martin (SSl Increment #8 Gyroscope) - Mitchfield, NY                            | 15                             | 25             | 60           | -                                                                       | -               | 15      | 15                | -                   | -                                                    | 15      | 15                |  |
| "A" in the Delivery Schedule indicates the Contract Award Date.<br>Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million). |                                                                                          |                                |                |              |                                                                         |                 |         |                   |                     |                                                      |         |                   |  |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |         |                                    |              |             |                                                                    |         | Date: February 2015                      |         |         |             |            |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         |                                    |              |             | P-1 Line Item Number / Title:<br>5420 / SSN Combat Control Systems |         |                                          |         |         |             |            |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |         | Program Elements for Code B Items: |              |             |                                                                    |         | Other Related Program Elements: 0604562N |         |         |             |            |
| Resource Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Prior Years | FY 2014 | FY 2015                            | FY 2016 Base | FY 2016 OCO | FY 2016 Total                                                      | FY 2017 | FY 2018                                  | FY 2019 | FY 2020 | To Complete | Total      |
| Procurement Quantity (Units in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -           | -       | -                                  | -            | -           | -                                                                  | -       | -                                        | -       | -       | -           | -          |
| Gross/Weapon System Cost (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 784.620     | 73.078  | 60.767                             | 96.040       | -           | 96.040                                                             | 128.652 | 109.394                                  | 183.350 | 203.453 | 44.141      | 1,683.495  |
| Less PY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -           | -       | -                                  | -            | -           | -                                                                  | -       | -                                        | -       | -       | -           | -          |
| Net Procurement (P1) (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 784.620     | 73.078  | 60.767                             | 96.040       | -           | 96.040                                                             | 128.652 | 109.394                                  | 183.350 | 203.453 | 44.141      | 1,683.495  |
| Plus CY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -           | -       | -                                  | -            | -           | -                                                                  | -       | -                                        | -       | -       | -           | -          |
| Total Obligation Authority (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 784.620     | 73.078  | 60.767                             | 96.040       | -           | 96.040                                                             | 128.652 | 109.394                                  | 183.350 | 203.453 | 44.141      | 1,683.495  |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |         |                                    |              |             |                                                                    |         |                                          |         |         |             |            |
| Initial Spares (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -           | 3.249   | 1.951                              | 2.667        | -           | 2.667                                                              | 1.887   | 3.477                                    | 1.250   | 1.656   | Continuing  | Continuing |
| Flyaway Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -           | -       | -                                  | -            | -           | -                                                                  | -       | -                                        | -       | -       | -           | -          |
| Gross/Weapon System Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -           | -       | -                                  | -            | -           | -                                                                  | -       | -                                        | -       | -       | -           | -          |
| Description:<br>VB011 - COMBAT SYSTEMS TECHNOLOGY REFRESH / LEGACY INTEGRATION<br>Procures tactical control hardware upgrades to SSN688, SSN688I, SSBN, SSN 21, and SSGN Class submarines for legacy combat control systems. These updates provide accelerated delivery of tactical capability to the fleet and bridge the gap between legacy combat control systems and AN/BYG-1. Procures Engineering Changes (EC) and Ordnance Alterations (ORDALT) to correct fleet reported problems with legacy Combat Control System software and hardware. Procures Weapons Launch System, Multi-tube Weapon System (MTWS) and provides support for fleet introduction of the Common Weapon Launcher (CWL) transition and integration into the TI/APB process. Provides system engineering in support of Tactical Local Area Network (TacLAN); Information Assurance (IA); Onboard Team Trainer (OBTT); and Command, Control, Computer and Intelligence Maintenance Tool (C3IMT).<br><br>VB034 - SUBMARINE COMBAT CONTROL SYSTEM MODERNIZATION PROGRAM<br>This cost code procures hardware and software upgrades for the AN/BYG-1 system for installation on all submarine platforms. The AN/BYG-1 is the combat control system common across all submarine platforms which incorporates tactical control, weapon control and Tactical Local Area Network (TacLAN) functions into a single procurement program. AN/BYG-1 allows the submarine Navy to rapidly update the ship safety tactical picture, integrates the common tactical picture into the battlegroup, improves torpedo interfaces and provides tactical TOMAHAWK capability. AN/BYG-1 systems will be continuously updated with hardware enhancements to address COTS obsolescence and capability improvements as defined by the Advanced Processor Build (APB) process. These updates are referred to as Tech Insertion (TI) kits and are differentiated by year of development (i.e. TI10, TI12, etc). The TI upgrades provide the baseline for all future AN/BYG-1 procurements. In addition, this budget also provides tech insertion "kits" to update existing AN/BYG-1 platforms. The AN/BYG-1 nomenclature was adopted in FY05 and out to incorporate the addition of Virginia Class Combat Control System to a common acquisition and development strategy. This allows for AN/BYG-1 to be the common combat control system nomenclature across all submarine platforms. Funds are for the installation of Combat Control System equipment included in the Fleet Modernization Program.<br><br>VB800 - ELECTRONIC CHARTING DISPLAY INFORMATION SYSTEM<br>The AN/BPS-15/16 Radar with Submarine Electronic Charting Display Information System - Navy (ECDIS-N) is installed on all U.S. Navy submarine platforms. Program responsibilities for components associated with the AN/BPS-15/16, specifically the mast, mast components and hydraulic support systems as well as the unique submarine specific navigation requirements have been transferred from Program Executive Office, Integrated Warfare Systems (PEO IWS) Above Water Sensors Directorate [Line Item Number 0670] to Program Executive Office Submarines (PEO SUB) to more closely align AN/BPS-15/16 and Submarine ECDIS-N with the other Submarine Combat Systems and address shortfalls in both radar and ECDIS-N. PEO SUB Submarine Combat and Weapons Control Program Office assumed program acquisition, contractual, financial, engineering and logistical responsibilities [under Line Item Number 5420] for submarine ECDIS-N systems that are part of the AN/BPS-15/16 Radar System in support of all baselines. This will include conducting submarine Voyage Management System (VMS) 8.3.4 and VMS 9.3 integration, testing, ECDIS-N certification, and fielding responsibilities in support of all baselines. |             |         |                                    |              |             |                                                                    |         |                                          |         |         |             |            |

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           | <b>Date:</b> February 2015                                                |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5:<br>ASW Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Program Elements for Code B Items:</b> | <b>Other Related Program Elements:</b> 0604562N                           |
| <p>This is a zero sum transfer from Budget Line Item 0670, Item Number GW038 to Budget Line Item 5420, Item Number VB800.</p> <p>VB995 PRODUCTION ENGINEERING AND INITIAL TRAINING - This cost code procures production and logistics support, assistance for asset management, cost analyses, preparation of contract specifications, monitoring of contract deliverables, contractor cost, schedule and performance monitoring, Integrated Logistics Support (ILS) planning and Government Furnished Information (GFI) coordination. This cost code also provides initial training curriculum development, training management materials, exercise control group development, and pilot services to the Fleet.</p> <p>VB997 - SSGN SUSTAINING SUPPORT<br/>The SSP funding provides for the procurement, installation and sustainment of equipment required for the life-cycle operational support of SSGN Attack Weapons Systems (AWS) for the four OHIO-class SSGNs. OPN sustaining support funding provides for SSGN AWS logistics acquisition support and for Attack Weapon Control System (AWCS) alterations that provide technical refresh updates to the AWCS and to two shore-based trainers located at Kings Bay, GA and Bangor, WA. The AWCS alterations will provide technical refresh upgrades to include the Tactical TOMAHAWK Weapon Control Systems (TTWCS) 5.4.0.2 and TOMAHAWK Command and Control System (TC2S 5.0.1) software necessary to ensure the long-term safety, reliability and maintainability of the Attack Weapons Control System. TTWCS 5.4.0.2 and TC2S 5.0.1 software are required for the SSGN Strike Operations to continue the Fleet's mission. Due to fiscal constraints within the Department the decision was made to only budget for the latest TTWCS 5.4.0.2 update. As part of this decision the FY14 funding must be used to bridge the funding shortfalls inherent in the FY15 requested funding. Should FY14 funds not be available to execute in FY15 the TTWCS upgrade will be unsuccessful leading to an inability to fire Tomahawk missiles from the SSGNs.</p> <p>OTHER INFORMATION<br/>Developmental efforts are funded by Program Element 0604562N within the SSN Combat Control System Improvement Program F0236.</p> |                                           |                                                                           |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                        |          |       |                                          |                                                                    |                                          | Date: February 2015                      |                                          |                                          |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5:<br>ASW Support Equipment                                                                                    |          |       |                                          | P-1 Line Item Number / Title:<br>5420 / SSN Combat Control Systems |                                          |                                          |                                          |                                          |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                |          |       | Program Elements for Code B Items:       |                                                                    |                                          | Other Related Program Elements: 0604562N |                                          |                                          |
| Exhibits Schedule                                                                                                                                                                                                                                 |          |       | Prior Years                              | FY 2014                                                            | FY 2015                                  | FY 2016 Base                             | FY 2016 OCO                              | FY 2016 Total                            |
| Title*                                                                                                                                                                                                                                            | Exhibits | ID CD | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M)                           | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) |
| SSN Combat Control Systems                                                                                                                                                                                                                        | P-40a    |       | - / 305.435                              | - / 36.990                                                         | - / 19.005                               | - / 35.678                               | - / -                                    | - / 35.678                               |
| 1 / VB034 AN/BYG-1 TI-04 AND LATER SYSTEMS SSN 688 CLASS (UPGRADE)                                                                                                                                                                                | P-3a     |       | - / 305.249                              | - / -                                                              | - / -                                    | - / -                                    | - / -                                    | - / -                                    |
| 2 / VB034 SSBN MODERNIZATION WITH AN/BYG-1 (UPGRADE)                                                                                                                                                                                              | P-3a     |       | - / 0.000                                | - / -                                                              | - / -                                    | - / 8.348                                | - / -                                    | - / 8.348                                |
| 3 / VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN774 CLASS (UPGRADE)                                                                                                                                                                        | P-3a     |       | - / 51.140                               | - / 10.013                                                         | - / 1.705                                | - / -                                    | - / -                                    | - / -                                    |
| 4 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSGN CLASS (UPGRADE)                                                                                                                                                                                | P-3a     |       | - / 22.053                               | - / -                                                              | - / -                                    | - / -                                    | - / -                                    | - / -                                    |
| 5 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN21 CLASS (UPGRADE)                                                                                                                                                                               | P-3a     |       | - / 13.250                               | - / -                                                              | - / -                                    | - / 3.024                                | - / -                                    | - / 3.024                                |
| 6 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN688 CLASS (UPGRADE)                                                                                                                                                                              | P-3a     |       | - / 87.493                               | - / 26.075                                                         | - / 40.057                               | - / 35.158                               | - / -                                    | - / 35.158                               |
| 7 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS (UPGRADE)                                                                                                                                                                              | P-3a     |       | - / 0.000                                | - / -                                                              | - / -                                    | - / 13.832                               | - / -                                    | - / 13.832                               |
| 8 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS W/ CWL ()                                                                                                                                                                              | P-3a     |       | - / 0.000                                | - / -                                                              | - / -                                    | - / -                                    | - / -                                    | - / -                                    |
| Total Gross/Weapon System Cost                                                                                                                                                                                                                    |          |       | - / 784.620                              | - / 73.078                                                         | - / 60.767                               | - / 96.040                               | - / -                                    | - / 96.040                               |
| Exhibits Schedule                                                                                                                                                                                                                                 |          |       | FY 2017                                  | FY 2018                                                            | FY 2019                                  | FY 2020                                  | To Complete                              | Total                                    |
| Title*                                                                                                                                                                                                                                            | Exhibits | ID CD | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M)                           | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) |
| SSN Combat Control Systems                                                                                                                                                                                                                        | P-40a    |       | - / -                                    | - / -                                                              | - / -                                    | - / -                                    | - / -                                    | - / -                                    |
| 1 / VB034 AN/BYG-1 TI-04 AND LATER SYSTEMS SSN 688 CLASS (UPGRADE)                                                                                                                                                                                | P-3a     |       | - / -                                    | - / -                                                              | - / -                                    | - / -                                    | - / -                                    | - / 305.249                              |
| 2 / VB034 SSBN MODERNIZATION WITH AN/BYG-1 (UPGRADE)                                                                                                                                                                                              | P-3a     |       | - / 21.365                               | - / 26.135                                                         | - / 33.342                               | - / 34.009                               | - / 20.862                               | - / 144.061                              |
| 3 / VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN774 CLASS (UPGRADE)                                                                                                                                                                        | P-3a     |       | - / 7.054                                | - / 1.808                                                          | - / -                                    | - / -                                    | - / -                                    | - / 71.720                               |
| 4 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSGN CLASS (UPGRADE)                                                                                                                                                                                | P-3a     |       | - / -                                    | - / -                                                              | - / 6.394                                | - / 11.252                               | - / 4.824                                | - / 44.523                               |
| 5 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN21 CLASS (UPGRADE)                                                                                                                                                                               | P-3a     |       | - / 4.346                                | - / 6.292                                                          | - / 9.043                                | - / -                                    | - / -                                    | - / 35.955                               |
| 6 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN688 CLASS (UPGRADE)                                                                                                                                                                              | P-3a     |       | - / 17.320                               | - / 15.759                                                         | - / 31.092                               | - / 28.434                               | - / 15.456                               | - / 296.844                              |
| 7 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS (UPGRADE)                                                                                                                                                                              | P-3a     |       | - / 38.816                               | - / 9.038                                                          | - / -                                    | - / -                                    | - / -                                    | - / 61.686                               |
| 8 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS W/ CWL ()                                                                                                                                                                              | P-3a     |       | - / -                                    | - / -                                                              | - / -                                    | - / 11.413                               | - / 2.999                                | - / 14.412                               |
| Total Gross/Weapon System Cost                                                                                                                                                                                                                    |          |       | - / 128.652                              | - / 109.394                                                        | - / 183.350                              | - / 203.453                              | - / 44.141                               | - / 1,683.495                            |
| *Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown. |          |       |                                          |                                                                    |                                          |                                          |                                          |                                          |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.                                                                                                                                                                    |          |       |                                          |                                                                    |                                          |                                          |                                          |                                          |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                            |                                    | Date: February 2015                                                       |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5:<br>ASW Support Equipment |                                    | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                    | Program Elements for Code B Items: | Other Related Program Elements: 0604562N                                  |



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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy               |       |                |                |            |                   |                                                                    |            |                   |                |            |                   |                                                       |            |                   |                | Date: February 2015 |                   |                |            |                   |  |
|-------------------------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|--------------------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|-------------------------------------------------------|------------|-------------------|----------------|---------------------|-------------------|----------------|------------|-------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5                  |       |                |                |            |                   | P-1 Line Item Number / Title:<br>5420 / SSN Combat Control Systems |            |                   |                |            |                   | Aggregated Items Title:<br>SSN Combat Control Systems |            |                   |                |                     |                   |                |            |                   |  |
| Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding. |       |                |                |            |                   |                                                                    |            |                   |                |            |                   |                                                       |            |                   |                |                     |                   |                |            |                   |  |
| Item Number / Title [DODIC]                                                               | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014                                                            |            |                   | FY 2015        |            |                   | FY 2016 Base                                          |            |                   | FY 2016 OCO    |                     |                   | FY 2016 Total  |            |                   |  |
|                                                                                           |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                                     | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                        | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each)          | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |  |
| 1) VB011 COMBAT SYSTEM TECH REFRESH/LEGACY INTEGRATION                                    |       |                |                |            |                   |                                                                    |            |                   |                |            |                   |                                                       |            |                   |                |                     |                   |                |            |                   |  |
| 1.1) VB011 Prior Years                                                                    | A     |                | -              | -          | 13.416            | -                                                                  | -          | -                 | -              | -          | -                 | -                                                     | -          | -                 | -              | -                   | -                 | -              | -          | -                 |  |
| 1.2) ECP/AUXILLARY EQUIPMENT / LEGACY INTEGRATION                                         | A     |                | -              | -          | 0.287             | -                                                                  | -          | 2.147             | -              | -          | 1.005             | -                                                     | -          | 2.151             | -              | -                   | -                 | -              | -          | 2.151             |  |
| 1.3) WEAPON LAUNCH SYSTEMS TECH INSERTION                                                 | A     |                | -              | -          | 1.700             | -                                                                  | -          | 6.693             | -              | -          | 5.888             | -                                                     | -          | 9.860             | -              | -                   | -                 | -              | -          | 9.860             |  |
| 1.4) TACLAN/IA                                                                            | A     |                | -              | -          | 85.320            | -                                                                  | -          | 10.604            | -              | -          | 10.280            | -                                                     | -          | 12.277            | -              | -                   | -                 | -              | -          | 12.277            |  |
| Subtotal: 1) VB011 COMBAT SYSTEM TECH REFRESH/LEGACY INTEGRATION                          |       |                | -              | -          | 100.723           | -                                                                  | -          | 19.444            | -              | -          | 17.173            | -                                                     | -          | 24.288            | -              | -                   | -                 | -              | -          | 24.288            |  |
| 2) ELECTRONIC CHARTING DISPLAY INFORMATION SYSTEM                                         |       |                |                |            |                   |                                                                    |            |                   |                |            |                   |                                                       |            |                   |                |                     |                   |                |            |                   |  |
| 2.1) ELECTRONIC CHARTING DISPLAY INFORMATION SYSTEM                                       | A     |                | -              | -          | -                 | -                                                                  | -          | -                 | -              | -          | -                 | -                                                     | -          | 3.053             | -              | -                   | -                 | -              | -          | 3.053             |  |
| Subtotal: 2) ELECTRONIC CHARTING DISPLAY INFORMATION SYSTEM                               |       |                | -              | -          | 0.000             | -                                                                  | -          | -                 | -              | -          | -                 | -                                                     | -          | 3.053             | -              | -                   | -                 | -              | -          | 3.053             |  |
| 3) VB995 PRODUCTION ENGINEERING AND INITIAL TRAINING                                      |       |                |                |            |                   |                                                                    |            |                   |                |            |                   |                                                       |            |                   |                |                     |                   |                |            |                   |  |
| 3.1) PRODUCTION ENGINEERING AND INITIAL TRAINING                                          | A     |                | -              | -          | 50.382            | -                                                                  | -          | 6.588             | -              | -          | 1.627             | -                                                     | -          | 1.658             | -              | -                   | -                 | -              | -          | 1.658             |  |
| Subtotal: 3) VB995 PRODUCTION ENGINEERING AND INITIAL TRAINING                            |       |                | -              | -          | 50.382            | -                                                                  | -          | 6.588             | -              | -          | 1.627             | -                                                     | -          | 1.658             | -              | -                   | -                 | -              | -          | 1.658             |  |
| 4) VB997 SSGN SUSTAINING SUPPORT                                                          |       |                |                |            |                   |                                                                    |            |                   |                |            |                   |                                                       |            |                   |                |                     |                   |                |            |                   |  |
| 4.1) SSGN SUSTAINING SUPPORT                                                              | A     |                | -              | -          | 48.594            | -                                                                  | -          | 10.958            | -              | -          | 0.205             | -                                                     | -          | 6.679             | -              | -                   | -                 | -              | -          | 6.679             |  |
| Subtotal: 4) VB997 SSGN SUSTAINING SUPPORT                                                |       |                | -              | -          | 48.594            | -                                                                  | -          | 10.958            | -              | -          | 0.205             | -                                                     | -          | 6.679             | -              | -                   | -                 | -              | -          | 6.679             |  |
| 5) PRIOR YEAR VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN688 CLASS                |       |                |                |            |                   |                                                                    |            |                   |                |            |                   |                                                       |            |                   |                |                     |                   |                |            |                   |  |
| 5.1) VB034 TECHNOLOGY INSERTION (TI00/ TI02 BASELINE) SSN688 CLASS                        | A     |                | 7,017K         | 14         | 98.236            | -                                                                  | -          | -                 | -              | -          | -                 | -                                                     | -          | -                 | -              | -                   | -                 | -              | -          | -                 |  |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |                                                                           |  |  |  |  |  |  |  |  |  | <b>Date:</b> February 2015                                   |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5    |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems |  |  |  |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>SSN Combat Control Systems |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                                                          | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|--------------------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                                                      |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| Subtotal: 5) PRIOR YEAR VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN688 CLASS |       |                | -              | -          | 98.236            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 6) VBG86 NAVAL INTELLIGENCE FUSION TOOL (NIFT) NIFT PROCUREMENT                      |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 6.1) VBG86 NAVAL INTELLIGENCE FUSION TOOL (NIFT) NIFT PROCUREMENT                    | A     |                | 2,500K         | 3          | 7.500             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 6) VBG86 NAVAL INTELLIGENCE FUSION TOOL (NIFT) NIFT PROCUREMENT            |       |                | -              | -          | 7.500             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Total                                                                                |       |                | -              | -          | 305.435           | -              | -          | 36.990            | -              | -          | 19.005            | -              | -          | 35.678            | -              | -          | -                 | -              | -          | 35.678            |

| Item Number / Title [DODIC]                                      | ID CD | MDAP/ MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |  |
|------------------------------------------------------------------|-------|-----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|--|
|                                                                  |       |                 | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |  |
| 1) VB011 COMBAT SYSTEM TECH REFRESH/LEGACY INTEGRATION           |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |  |
| 1.1) VB011 Prior Years                                           | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |
| 1.2) ECP/AUXILLARY EQUIPMENT / LEGACY INTEGRATION                | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |
| 1.3) WEAPON LAUNCH SYSTEMS TECH INSERTION                        | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |
| 1.4) TACLAN/IA                                                   | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |
| Subtotal: 1) VB011 COMBAT SYSTEM TECH REFRESH/LEGACY INTEGRATION |       |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |
| 2) ELECTRONIC CHARTING DISPLAY INFORMATION SYSTEM                |       |                 |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |  |
| 2.1) ELECTRONIC CHARTING DISPLAY INFORMATION SYSTEM              | A     |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |
| Subtotal: 2) ELECTRONIC CHARTING DISPLAY INFORMATION SYSTEM      |       |                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |  |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy          |       |                 |                |            |                   |                                                                    |            |                   |                |            |                   |                |            |                   | Date: February 2015                                   |            |                   |                |            |                   |
|--------------------------------------------------------------------------------------|-------|-----------------|----------------|------------|-------------------|--------------------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|-------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5             |       |                 |                |            |                   | P-1 Line Item Number / Title:<br>5420 / SSN Combat Control Systems |            |                   |                |            |                   |                |            |                   | Aggregated Items Title:<br>SSN Combat Control Systems |            |                   |                |            |                   |
| Item Number / Title [DODIC]                                                          | ID CD | MDAP/ MAIS Code | FY 2017        |            |                   | FY 2018                                                            |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete                                           |            |                   | Total Cost     |            |                   |
|                                                                                      |       |                 | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                                     | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                        | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 3) VB995 PRODUCTION ENGINEERING AND INITIAL TRAINING                                 |       |                 |                |            |                   |                                                                    |            |                   |                |            |                   |                |            |                   |                                                       |            |                   |                |            |                   |
| 3.1) PRODUCTION ENGINEERING AND INITIAL TRAINING                                     | A     |                 | -              | -          | -                 | -                                                                  | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                     | -          | -                 | -              | -          | -                 |
| Subtotal: 3) VB995 PRODUCTION ENGINEERING AND INITIAL TRAINING                       |       |                 | -              | -          | -                 | -                                                                  | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                     | -          | -                 | -              | -          | -                 |
| 4) VB997 SSGN SUSTAINING SUPPORT                                                     |       |                 |                |            |                   |                                                                    |            |                   |                |            |                   |                |            |                   |                                                       |            |                   |                |            |                   |
| 4.1) SSGN SUSTAINING SUPPORT                                                         | A     |                 | -              | -          | -                 | -                                                                  | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                     | -          | -                 | -              | -          | -                 |
| Subtotal: 4) VB997 SSGN SUSTAINING SUPPORT                                           |       |                 | -              | -          | -                 | -                                                                  | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                     | -          | -                 | -              | -          | -                 |
| 5) PRIOR YEAR VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN688 CLASS           |       |                 |                |            |                   |                                                                    |            |                   |                |            |                   |                |            |                   |                                                       |            |                   |                |            |                   |
| 5.1) VB034 TECHNOLOGY INSERTION (TI00/ TI02 BASELINE) SSN688 CLASS                   | A     |                 | -              | -          | -                 | -                                                                  | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                     | -          | -                 | -              | -          | -                 |
| Subtotal: 5) PRIOR YEAR VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN688 CLASS |       |                 | -              | -          | -                 | -                                                                  | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                     | -          | -                 | -              | -          | -                 |
| 6) VBG86 NAVAL INTELLIGENCE FUSION TOOL (NIFT) NIFT PROCUREMENT                      |       |                 |                |            |                   |                                                                    |            |                   |                |            |                   |                |            |                   |                                                       |            |                   |                |            |                   |
| 6.1) VBG86 NAVAL INTELLIGENCE FUSION TOOL (NIFT) NIFT PROCUREMENT                    | A     |                 | -              | -          | -                 | -                                                                  | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                     | -          | -                 | -              | -          | -                 |
| Subtotal: 6) VBG86 NAVAL INTELLIGENCE FUSION TOOL (NIFT) NIFT PROCUREMENT            |       |                 | -              | -          | -                 | -                                                                  | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                     | -          | -                 | -              | -          | -                 |
| Total                                                                                |       |                 | -              | -          | -                 | -                                                                  | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                     | -          | -                 | -              | -          | -                 |

# UNCLASSIFIED

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|---------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                           | <b>Date:</b> February 2015                                                                         |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5 | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems | <b>Modification Number / Title:</b><br>1 / VB034 AN/BYG-1 TI-04 AND LATER<br>SYSTEMS SSN 688 CLASS |

| Resource Summary                                                                                                                              | Prior Years    | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total          |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|----------------|
| Procurement Quantity <i>(Units in Each)</i>                                                                                                   | -              | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -              |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                              | 305.249        | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | 305.249        |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -              | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -              |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                  | 305.249        | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | 305.249        |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -              | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -              |
| <b>Total Obligation Authority <i>(\$ in Millions)</i></b>                                                                                     | <b>305.249</b> | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | <b>305.249</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |                |         |         |              |             |               |         |         |         |         |             |                |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                        | -              | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -              |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                          | -              | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -              |

## Description:

This program will provide submarine combat control systems with COTS-based upgrades to combat control and tactical control hardware and software. Milestone Decision Authority (MDA) Production Reviews are held on an annual basis.

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|-------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                                 |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   | Date: February 2015                                                                         |                                   |                                   |                                   |                                   |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5            |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5420 / SSN Combat Control Systems |                                   |                                   |                                   | Modification Number / Title:<br>1 / VB034 AN/BYG-1 TI-04 AND LATER<br>SYSTEMS SSN 688 CLASS |                                   |                                   |                                   |                                   |  |
| Models of Systems Affected: VB034 AN/BYG-1 TI-04<br>AND LATER SYSTEMS SSN 688 CLASS |                                   |                                   |                                   | Modification Type: UPGRADE                                         |                                   |                                   |                                   | Related RDT&E PEs: 0604562N                                                                 |                                   |                                   |                                   |                                   |  |
| Financial Plan                                                                      | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                    | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                                                                                     | FY 2019                           | FY 2020                           | To<br>Complete                    | Total                             |  |
|                                                                                     | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                  | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                                           | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |  |
| Procurement                                                                         |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                             |                                   |                                   |                                   |                                   |  |
| Modification Item 1 of 1: VB034 AN/BYG-1 TI-04 AND<br>LATER SYSTEMS SSN 688 CLASS   |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                             |                                   |                                   |                                   |                                   |  |
| B Kits                                                                              |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                             |                                   |                                   |                                   |                                   |  |
| Recurring                                                                           |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                             |                                   |                                   |                                   |                                   |  |
| 1.1.1) EQUIPMENT - NonOrganic                                                       |                                   | 27 / 135.825                      | - / -                             | - / -                                                              | - / -                             | - / -                             | - / -                             | - / -                                                                                       | - / -                             | - / -                             | - / -                             | 27 / 135.825                      |  |
| Subtotal: Recurring                                                                 |                                   | - / 135.825                       | - / -                             | - / -                                                              | - / -                             | - / -                             | - / -                             | - / -                                                                                       | - / -                             | - / -                             | - / -                             | - / 135.825                       |  |
| Subtotal: VB034 AN/BYG-1 TI-04 AND LATER<br>SYSTEMS SSN 688 CLASS                   |                                   | 27 / 135.825                      | - / -                             | - / -                                                              | - / -                             | - / -                             | - / -                             | - / -                                                                                       | - / -                             | - / -                             | - / -                             | 27 / 135.825                      |  |
| Subtotal: Procurement, All Modification Items                                       |                                   | - / 135.825                       | - / -                             | - / -                                                              | - / -                             | - / -                             | - / -                             | - / -                                                                                       | - / -                             | - / -                             | - / -                             | - / 135.825                       |  |
| Installation                                                                        |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                             |                                   |                                   |                                   |                                   |  |
| Modification Item 1 of 1: VB034 AN/BYG-1 TI-04 AND<br>LATER SYSTEMS SSN 688 CLASS   |                                   | - / 169.424                       | - / -                             | - / -                                                              | - / -                             | - / -                             | - / -                             | - / -                                                                                       | - / -                             | - / -                             | - / -                             | - / 169.424                       |  |
| Subtotal: Installation                                                              |                                   | - / 169.424                       | - / -                             | - / -                                                              | - / -                             | - / -                             | - / -                             | - / -                                                                                       | - / -                             | - / -                             | - / -                             | - / 169.424                       |  |
| Total                                                                               |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                             |                                   |                                   |                                   |                                   |  |
| Total Cost (Procurement + Support + Installation)                                   |                                   | 305.249                           | -                                 | -                                                                  | -                                 | -                                 | -                                 | -                                                                                           | -                                 | -                                 | -                                 | 305.249                           |  |
|                                                                                     |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                             |                                   |                                   |                                   |                                   |  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                           | <b>Date:</b> February 2015                                                                      |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5 | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems | <b>Modification Number / Title:</b><br>1 / VB034 AN/BYG-1 TI-04 AND LATER SYSTEMS SSN 688 CLASS |

**Modification Item 1 of 1:** VB034 AN/BYG-1 TI-04 AND LATER SYSTEMS SSN 688 CLASS

**Manufacturer Information**

|                                        |                                     |
|----------------------------------------|-------------------------------------|
| Manufacturer Name: Various             | Manufacturer Location: Various      |
| Administrative Leadtime (in Months): 6 | Production Leadtime (in Months): 12 |

| Dates          | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 |
|----------------|---------|---------|---------|---------|---------|---------|---------|
| Contract Dates |         |         |         |         |         |         |         |
| Delivery Dates |         |         |         |         |         |         |         |

**Installation Information**

**Method of Implementation:** [none specified]:: Installation Name: EQUIPMENT

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 27 / 169.424                   | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 27 / 169.424                   |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 27 / 169.424                   | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 27 / 169.424                   |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | 27  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 27  |
| Out | 27  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 27  |

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                                                                                    |  |                |         |                                                                    |                 |                |                  |         | Date: February 2015                                                           |         |         |                |         |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5                                                               |  |                |         | P-1 Line Item Number / Title:<br>5420 / SSN Combat Control Systems |                 |                |                  |         | Modification Number / Title:<br>2 / VB034 SSBN MODERNIZATION<br>WITH AN/BYG-1 |         |         |                |         |
| Resource Summary                                                                                                                       |  | Prior<br>Years | FY 2014 | FY 2015                                                            | FY 2016<br>Base | FY 2016<br>OCO | FY 2016<br>Total | FY 2017 | FY 2018                                                                       | FY 2019 | FY 2020 | To<br>Complete | Total   |
| Procurement Quantity <i>(Units in Each)</i>                                                                                            |  | -              | -       | -                                                                  | -               | -              | -                | -       | -                                                                             | -       | -       | -              | -       |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                       |  | 0.000          | -       | -                                                                  | 8.348           | -              | 8.348            | 21.365  | 26.135                                                                        | 33.342  | 34.009  | 20.862         | 144.061 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                    |  | -              | -       | -                                                                  | -               | -              | -                | -       | -                                                                             | -       | -       | -              | -       |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                           |  | 0.000          | -       | -                                                                  | 8.348           | -              | 8.348            | 21.365  | 26.135                                                                        | 33.342  | 34.009  | 20.862         | 144.061 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                    |  | -              | -       | -                                                                  | -               | -              | -                | -       | -                                                                             | -       | -       | -              | -       |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                     |  | 0.000          | -       | -                                                                  | 8.348           | -              | 8.348            | 21.365  | 26.135                                                                        | 33.342  | 34.009  | 20.862         | 144.061 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) |  |                |         |                                                                    |                 |                |                  |         |                                                                               |         |         |                |         |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                 |  | -              | -       | -                                                                  | -               | -              | -                | -       | -                                                                             | -       | -       | -              | -       |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                   |  | -              | -       | -                                                                  | -               | -              | -                | -       | -                                                                             | -       | -       | -              | -       |
| Description:<br>SSBN 726 Class Submarines will be modernized from the CCS MK2 BLOCK 1C system to the TI/APB model.                     |  |                |         |                                                                    |                 |                |                  |         |                                                                               |         |         |                |         |
|                                                                                                                                        |  |                |         |                                                                    |                 |                |                  |         |                                                                               |         |         |                |         |

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LI 5420 - SSN Combat Control Systems  
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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |  |                                                                           |  | <b>Date:</b> February 2015 |                                                                                      |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5 |  | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems |  |                            | <b>Modification Number / Title:</b><br>2 / VB034 SSBN MODERNIZATION<br>WITH AN/BYG-1 |  |  |

**Modification Item 1 of 1:** VB034 SSBN MODERNIZATION WITH AN/BYG-1

**Manufacturer Information**

|                                        |  |  |  |                                     |  |  |  |
|----------------------------------------|--|--|--|-------------------------------------|--|--|--|
| Manufacturer Name: Various             |  |  |  | Manufacturer Location: Various      |  |  |  |
| Administrative Leadtime (in Months): 6 |  |  |  | Production Leadtime (in Months): 12 |  |  |  |

| Dates          | FY 2014 | FY 2015 | FY 2016  | FY 2017  | FY 2018  | FY 2019  | FY 2020  |
|----------------|---------|---------|----------|----------|----------|----------|----------|
| Contract Dates |         |         | Mar 2016 | Mar 2017 | Mar 2018 | Mar 2019 | Mar 2020 |
| Delivery Dates |         |         | Mar 2017 | Mar 2018 | Mar 2019 | Mar 2020 | Mar 2021 |

**Installation Information**

**Method of Implementation:** AIT:: Installation Name: EQUIPMENT

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 12.850                     | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 12.850                     |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 13.107                     | - / -                          | - / -                          | - / -                          | 2 / 13.107                     |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 3 / 20.054                     | - / -                          | - / -                          | 3 / 20.054                     |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 3 / 20.455                     | - / -                          | 3 / 20.455                     |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 3 / 20.862                     | 3 / 20.862                     |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 12.850                     | 2 / 13.107                     | 3 / 20.054                     | 3 / 20.455                     | 3 / 20.862                     | 13 / 87.328                    |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | -   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | 1       | 1  | -  | -  | 1       | 1  | -  | -  | 1       | 1  | 1  | -  | 1       | 1  | 1  | -  | 3  | 13  |
| Out | -   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | 1  | 1  | -  | -       | 1  | 1  | -  | -       | 1  | 1  | 1  | -       | 1  | 1  | 1  | 3  | 13  |

**UNCLASSIFIED**

| Exhibit P-3a, Individual Modification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |         |         |                                                                    |             |               |         |         | Date: February 2015                                                                                 |         |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|--------------------------------------------------------------------|-------------|---------------|---------|---------|-----------------------------------------------------------------------------------------------------|---------|-------------|--------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |         |         | P-1 Line Item Number / Title:<br>5420 / SSN Combat Control Systems |             |               |         |         | Modification Number / Title:<br>3 / VB034 TECHNOLOGY INSERTION<br>(TI00/TI02 BASELINE) SSN774 CLASS |         |             |        |
| Resource Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Prior Years | FY 2014 | FY 2015 | FY 2016 Base                                                       | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019                                                                                             | FY 2020 | To Complete | Total  |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | -       | -       | -                                                                  | -           | -             | -       | -       | -                                                                                                   | -       | -           | -      |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 51.140      | 10.013  | 1.705   | -                                                                  | -           | -             | 7.054   | 1.808   | -                                                                                                   | -       | -           | 71.720 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -           | -       | -       | -                                                                  | -           | -             | -       | -       | -                                                                                                   | -       | -           | -      |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 51.140      | 10.013  | 1.705   | -                                                                  | -           | -             | 7.054   | 1.808   | -                                                                                                   | -       | -           | 71.720 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -           | -       | -       | -                                                                  | -           | -             | -       | -       | -                                                                                                   | -       | -           | -      |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 51.140      | 10.013  | 1.705   | -                                                                  | -           | -             | 7.054   | 1.808   | -                                                                                                   | -       | -           | 71.720 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                                                                                                                                                                                                                                                                                                                                                              |             |         |         |                                                                    |             |               |         |         |                                                                                                     |         |             |        |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -           | -       | -       | -                                                                  | -           | -             | -       | -       | -                                                                                                   | -       | -           | -      |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -           | -       | -       | -                                                                  | -           | -             | -       | -       | -                                                                                                   | -       | -           | -      |
| Description:<br>This program will provide upgrades for submarine combat systems with upgraded combat control and tactical control hardware and software. This program funds the procurement and installation of the first Virginia Class upgrade and, beginning in FY10, installation of the second and third upgrade kits as well as procurement and installation of all subsequent Virginia Class AN/BYG-1 upgrade kits. Milestone Decision Authority (MDA) Production Reviews are being held on an annual basis. |             |         |         |                                                                    |             |               |         |         |                                                                                                     |         |             |        |

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                                       |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   | Date: February 2015               |                                                                                                     |                                   |                                   |                                   |             |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5                  |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5420 / SSN Combat Control Systems |                                   |                                   |                                   |                                   | Modification Number / Title:<br>3 / VB034 TECHNOLOGY INSERTION<br>(TI00/TI02 BASELINE) SSN774 CLASS |                                   |                                   |                                   |             |
| Models of Systems Affected: TECHNOLOGY<br>INSERTION (TI00/TI02 BASELINE) SSN774 CLASS     |                                   |                                   |                                   | Modification Type: UPGRADE                                         |                                   |                                   |                                   |                                   | Related RDT&E PEs: 0604562N                                                                         |                                   |                                   |                                   |             |
| Financial Plan                                                                            | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                    | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                           | FY 2019                                                                                             | FY 2020                           | To<br>Complete                    | Total                             |             |
|                                                                                           | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                  | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                                                   | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |             |
| Procurement                                                                               |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                   |                                                                                                     |                                   |                                   |                                   |             |
| Modification Item 1 of 1: VB034 TECHNOLOGY<br>INSERTION (TI00/TI02 BASELINE) SSN774 CLASS |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                   |                                                                                                     |                                   |                                   |                                   |             |
| B Kits                                                                                    |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                   |                                                                                                     |                                   |                                   |                                   |             |
| Recurring                                                                                 |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                   |                                                                                                     |                                   |                                   |                                   |             |
| 1.1.1) EQUIPMENT - NonOrganic                                                             |                                   | 8 / 41.276                        | 1 / 6.667                         | - / -                                                              | - / -                             | - / -                             | - / -                             | 1 / 7.054                         | - / -                                                                                               | - / -                             | - / -                             | - / -                             | 10 / 54.997 |
| Subtotal: Recurring                                                                       |                                   | - / 41.276                        | - / 6.667                         | - / -                                                              | - / -                             | - / -                             | - / -                             | - / 7.054                         | - / -                                                                                               | - / -                             | - / -                             | - / -                             | - / 54.997  |
| Subtotal: VB034 TECHNOLOGY INSERTION (TI00/<br>TI02 BASELINE) SSN774 CLASS                |                                   | 8 / 41.276                        | 1 / 6.667                         | - / -                                                              | - / -                             | - / -                             | - / -                             | 1 / 7.054                         | - / -                                                                                               | - / -                             | - / -                             | - / -                             | 10 / 54.997 |
| Subtotal: Procurement, All Modification Items                                             |                                   | - / 41.276                        | - / 6.667                         | - / -                                                              | - / -                             | - / -                             | - / -                             | - / 7.054                         | - / -                                                                                               | - / -                             | - / -                             | - / -                             | - / 54.997  |
| Installation                                                                              |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                   |                                                                                                     |                                   |                                   |                                   |             |
| Modification Item 1 of 1: VB034 TECHNOLOGY<br>INSERTION (TI00/TI02 BASELINE) SSN774 CLASS |                                   | - / 9.864                         | - / 3.346                         | - / 1.705                                                          | - / -                             | - / -                             | - / -                             | - / -                             | - / 1.808                                                                                           | - / -                             | - / -                             | - / -                             | - / 16.723  |
| Subtotal: Installation                                                                    |                                   | - / 9.864                         | - / 3.346                         | - / 1.705                                                          | - / -                             | - / -                             | - / -                             | - / -                             | - / 1.808                                                                                           | - / -                             | - / -                             | - / -                             | - / 16.723  |
| Total                                                                                     |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                   |                                                                                                     |                                   |                                   |                                   |             |
| Total Cost (Procurement + Support + Installation)                                         |                                   | 51.140                            | 10.013                            | 1.705                                                              | -                                 | -                                 | -                                 | 7.054                             | 1.808                                                                                               | -                                 | -                                 | -                                 | 71.720      |
|                                                                                           |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                   |                                                                                                     |                                   |                                   |                                   |             |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                           | <b>Date:</b> February 2015                                                                                 |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5 | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems | <b>Modification Number / Title:</b><br>3 / VB034 TECHNOLOGY INSERTION<br>(TI00/TI02 BASELINE) SSN774 CLASS |

**Modification Item 1 of 1:** VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN774 CLASS

**Manufacturer Information**

|                                        |                                     |
|----------------------------------------|-------------------------------------|
| Manufacturer Name: Various             | Manufacturer Location: Various      |
| Administrative Leadtime (in Months): 6 | Production Leadtime (in Months): 12 |

| Dates          | FY 2014  | FY 2015 | FY 2016 | FY 2017  | FY 2018 | FY 2019 | FY 2020 |
|----------------|----------|---------|---------|----------|---------|---------|---------|
| Contract Dates | Mar 2014 |         |         | Mar 2017 |         |         |         |
| Delivery Dates | Mar 2015 |         |         | Mar 2018 |         |         |         |

**Installation Information**

**Method of Implementation:** AIT:: Installation Name: EQUIPMENT

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 6 / 9.864                      | 2 / 3.346                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 8 / 13.210                     |
| FY 2014           | - / -                          | - / -                          | 1 / 1.705                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 1.705                      |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 1.808                      | - / -                          | - / -                          | - / -                          | 1 / 1.808                      |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 6 / 9.864                      | 2 / 3.346                      | 1 / 1.705                      | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 1.808                      | - / -                          | - / -                          | - / -                          | 10 / 16.723                    |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | 6   | -       | 1  | 1  | -  | -       | 1  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | 1       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 10  |
| Out | 6   | -       | -  | 1  | 1  | -       | -  | 1  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | 1  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 10  |

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                                                                                                                                                                                                  |  |                |         |                                                                    |                 |                |                  |         | Date: February 2015                                                                         |         |         |                |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------|---------|--------------------------------------------------------------------|-----------------|----------------|------------------|---------|---------------------------------------------------------------------------------------------|---------|---------|----------------|--------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5                                                                                                                                                                             |  |                |         | P-1 Line Item Number / Title:<br>5420 / SSN Combat Control Systems |                 |                |                  |         | Modification Number / Title:<br>4 / VB034 UPGRADES FROM TI04 AND<br>OUT BASELINE SSGN CLASS |         |         |                |        |
| Resource Summary                                                                                                                                                                                                                                     |  | Prior<br>Years | FY 2014 | FY 2015                                                            | FY 2016<br>Base | FY 2016<br>OCO | FY 2016<br>Total | FY 2017 | FY 2018                                                                                     | FY 2019 | FY 2020 | To<br>Complete | Total  |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                                                                                                                          |  | -              | -       | -                                                                  | -               | -              | -                | -       | -                                                                                           | -       | -       | -              | -      |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                                                                                                                                     |  | 22.053         | -       | -                                                                  | -               | -              | -                | -       | -                                                                                           | 6.394   | 11.252  | 4.824          | 44.523 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                  |  | -              | -       | -                                                                  | -               | -              | -                | -       | -                                                                                           | -       | -       | -              | -      |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                                                                                                                         |  | 22.053         | -       | -                                                                  | -               | -              | -                | -       | -                                                                                           | 6.394   | 11.252  | 4.824          | 44.523 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                  |  | -              | -       | -                                                                  | -               | -              | -                | -       | -                                                                                           | -       | -       | -              | -      |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                                                                                                                                   |  | 22.053         | -       | -                                                                  | -               | -              | -                | -       | -                                                                                           | 6.394   | 11.252  | 4.824          | 44.523 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                                                                                               |  |                |         |                                                                    |                 |                |                  |         |                                                                                             |         |         |                |        |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                                                                                                                               |  | -              | -       | -                                                                  | -               | -              | -                | -       | -                                                                                           | -       | -       | -              | -      |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                 |  | -              | -       | -                                                                  | -               | -              | -                | -       | -                                                                                           | -       | -       | -              | -      |
| Description:<br>This program will provide submarine combat control systems with COTS-based upgrades to combat control and tactical control hardware and software. Milestone Decision Authority (MDA) Production Reviews are held on an annual basis. |  |                |         |                                                                    |                 |                |                  |         |                                                                                             |         |         |                |        |

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                               |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   | Date: February 2015               |                                                                                             |                                   |                                   |                                   |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5          |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5420 / SSN Combat Control Systems |                                   |                                   |                                   |                                   | Modification Number / Title:<br>4 / VB034 UPGRADES FROM TI04 AND<br>OUT BASELINE SSGN CLASS |                                   |                                   |                                   |  |
| Models of Systems Affected: UPGRADES FROM<br>TI04 AND OUT BASELINE SSGN CLASS     |                                   |                                   |                                   | Modification Type: UPGRADE                                         |                                   |                                   |                                   |                                   | Related RDT&E PEs: 0604562N                                                                 |                                   |                                   |                                   |  |
| Financial Plan                                                                    | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                    | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                           | FY 2019                                                                                     | FY 2020                           | To<br>Complete                    | Total                             |  |
|                                                                                   | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                  | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                                           | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |  |
| Procurement                                                                       |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                   |                                                                                             |                                   |                                   |                                   |  |
| Modification Item 1 of 1: VB034 UPGRADES FROM<br>TI04 AND OUT BASELINE SSGN CLASS |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                   |                                                                                             |                                   |                                   |                                   |  |
| B Kits                                                                            |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                   |                                                                                             |                                   |                                   |                                   |  |
| Recurring                                                                         |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                   |                                                                                             |                                   |                                   |                                   |  |
| 1.1.1) EQUIPMENT - NonOrganic                                                     |                                   | 4 / 10.912                        | - / -                             | - / -                                                              | - / -                             | - / -                             | - / -                             | - / -                             | 2 / 6.394                                                                                   | 2 / 6.522                         | - / -                             | 8 / 23.828                        |  |
| Subtotal: Recurring                                                               |                                   | - / 10.912                        | - / -                             | - / -                                                              | - / -                             | - / -                             | - / -                             | - / -                             | - / 6.394                                                                                   | - / 6.522                         | - / -                             | - / 23.828                        |  |
| Subtotal: VB034 UPGRADES FROM TI04 AND OUT<br>BASELINE SSGN CLASS                 |                                   | 4 / 10.912                        | - / -                             | - / -                                                              | - / -                             | - / -                             | - / -                             | - / -                             | 2 / 6.394                                                                                   | 2 / 6.522                         | - / -                             | 8 / 23.828                        |  |
| Subtotal: Procurement, All Modification Items                                     |                                   | - / 10.912                        | - / -                             | - / -                                                              | - / -                             | - / -                             | - / -                             | - / -                             | - / 6.394                                                                                   | - / 6.522                         | - / -                             | - / 23.828                        |  |
| Installation                                                                      |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                   |                                                                                             |                                   |                                   |                                   |  |
| Modification Item 1 of 1: VB034 UPGRADES FROM<br>TI04 AND OUT BASELINE SSGN CLASS |                                   | - / 11.141                        | - / -                             | - / -                                                              | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                                       | - / 4.730                         | - / 4.824                         | - / 20.695                        |  |
| Subtotal: Installation                                                            |                                   | - / 11.141                        | - / -                             | - / -                                                              | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                                       | - / 4.730                         | - / 4.824                         | - / 20.695                        |  |
| Total                                                                             |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                   |                                                                                             |                                   |                                   |                                   |  |
| Total Cost (Procurement + Support + Installation)                                 |                                   | 22.053                            | -                                 | -                                                                  | -                                 | -                                 | -                                 | -                                 | 6.394                                                                                       | 11.252                            | 4.824                             | 44.523                            |  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                           | <b>Date:</b> February 2015                                                                      |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5 | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems | <b>Modification Number / Title:</b><br>4 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSGN CLASS |

**Modification Item 1 of 1:** VB034 UPGRADES FROM TI04 AND OUT BASELINE SSGN CLASS

**Manufacturer Information**

|                                        |                                     |
|----------------------------------------|-------------------------------------|
| Manufacturer Name: Various             | Manufacturer Location: Various      |
| Administrative Leadtime (in Months): 6 | Production Leadtime (in Months): 12 |

| Dates          | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019  | FY 2020  |
|----------------|---------|---------|---------|---------|---------|----------|----------|
| Contract Dates |         |         |         |         |         | Mar 2019 | Mar 2020 |
| Delivery Dates |         |         |         |         |         | Mar 2020 | Mar 2021 |

**Installation Information**

**Method of Implementation:** AIT:: Installation Name: EQUIPMENT

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 4 / 11.141                     | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 4 / 11.141                     |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 4.730                      | - / -                          | 2 / 4.730                      |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 4.824                      | 2 / 4.824                      |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 4 / 11.141                     | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 4.730                      | 2 / 4.824                      | 8 / 20.695                     |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | 4   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | 1       | 1  | -  | 2  | 8  |     |
| Out | 4   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | 1  | 1  | 2  | 8  |     |

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|---------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                           | <b>Date:</b> February 2015                                                                          |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5 | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems | <b>Modification Number / Title:</b><br>5 / VB034 UPGRADES FROM TI04 AND<br>OUT BASELINE SSN21 CLASS |

| Resource Summary                                                                                                                       | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total  |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|--------|
| Procurement Quantity (Units in Each)                                                                                                   | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Gross/Weapon System Cost (\$ in Millions)                                                                                              | 13.250      | -       | -       | 3.024        | -           | 3.024         | 4.346   | 6.292   | 9.043   | -       | -           | 35.955 |
| Less PY Advance Procurement (\$ in Millions)                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Net Procurement (P1) (\$ in Millions)                                                                                                  | 13.250      | -       | -       | 3.024        | -           | 3.024         | 4.346   | 6.292   | 9.043   | -       | -           | 35.955 |
| Plus CY Advance Procurement (\$ in Millions)                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Total Obligation Authority (\$ in Millions)                                                                                            | 13.250      | -       | -       | 3.024        | -           | 3.024         | 4.346   | 6.292   | 9.043   | -       | -           | 35.955 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) |             |         |         |              |             |               |         |         |         |         |             |        |
| Initial Spares (\$ in Millions)                                                                                                        | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Gross/Weapon System Unit Cost (\$ in Dollars)                                                                                          | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |

**Description:**

This program will provide submarine combat control systems with COTS-based upgrades to combat control and tactical control hardware and software. Milestone Decision Authority (MDA) Production Reviews are held on an annual basis.



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|------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                                |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   | Date: February 2015                                                                          |                                   |                                   |                                   |                                   |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5           |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5420 / SSN Combat Control Systems |                                   |                                   |                                   | Modification Number / Title:<br>5 / VB034 UPGRADES FROM TI04 AND<br>OUT BASELINE SSN21 CLASS |                                   |                                   |                                   |                                   |  |
| Models of Systems Affected: UPGRADES FROM<br>TI04 AND OUT BASELINE SSN21 CLASS     |                                   |                                   |                                   | Modification Type: UPGRADE                                         |                                   |                                   |                                   | Related RDT&E PEs: 0604562N                                                                  |                                   |                                   |                                   |                                   |  |
| Financial Plan                                                                     | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                    | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                                                                                      | FY 2019                           | FY 2020                           | To<br>Complete                    | Total                             |  |
|                                                                                    | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                  | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                                            | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |  |
| Procurement                                                                        |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                              |                                   |                                   |                                   |                                   |  |
| Modification Item 1 of 1: VB034 UPGRADES FROM<br>TI04 AND OUT BASELINE SSN21 CLASS |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                              |                                   |                                   |                                   |                                   |  |
| B Kits                                                                             |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                              |                                   |                                   |                                   |                                   |  |
| Recurring                                                                          |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                              |                                   |                                   |                                   |                                   |  |
| 1.1.1) EQUIPMENT - NonOrganic                                                      | 3 / 7.305                         | - / -                             | - / -                             | 1 / 3.024                                                          | - / -                             | 1 / 3.024                         | - / -                             | 2 / 6.292                                                                                    | - / -                             | - / -                             | - / -                             | 6 / 16.621                        |  |
| Subtotal: Recurring                                                                | - / 7.305                         | - / -                             | - / -                             | - / 3.024                                                          | - / -                             | - / 3.024                         | - / -                             | - / 6.292                                                                                    | - / -                             | - / -                             | - / -                             | - / 16.621                        |  |
| Subtotal: VB034 UPGRADES FROM TI04 AND OUT<br>BASELINE SSN21 CLASS                 | 3 / 7.305                         | - / -                             | - / -                             | 1 / 3.024                                                          | - / -                             | 1 / 3.024                         | - / -                             | 2 / 6.292                                                                                    | - / -                             | - / -                             | - / -                             | 6 / 16.621                        |  |
| Subtotal: Procurement, All Modification Items                                      | - / 7.305                         | - / -                             | - / -                             | - / 3.024                                                          | - / -                             | - / 3.024                         | - / -                             | - / 6.292                                                                                    | - / -                             | - / -                             | - / -                             | - / 16.621                        |  |
| Installation                                                                       |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                              |                                   |                                   |                                   |                                   |  |
| Modification Item 1 of 1: VB034 UPGRADES FROM<br>TI04 AND OUT BASELINE SSN21 CLASS | - / 5.945                         | - / -                             | - / -                             | - / -                                                              | - / -                             | - / -                             | - / 4.346                         | - / -                                                                                        | - / 9.043                         | - / -                             | - / -                             | - / 19.334                        |  |
| Subtotal: Installation                                                             | - / 5.945                         | - / -                             | - / -                             | - / -                                                              | - / -                             | - / -                             | - / 4.346                         | - / -                                                                                        | - / 9.043                         | - / -                             | - / -                             | - / 19.334                        |  |
| Total                                                                              |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                              |                                   |                                   |                                   |                                   |  |
| Total Cost (Procurement + Support + Installation)                                  | 13.250                            | -                                 | -                                 | 3.024                                                              | -                                 | 3.024                             | 4.346                             | 6.292                                                                                        | 9.043                             | -                                 | -                                 | 35.955                            |  |

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|---------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                           | <b>Date:</b> February 2015                                                                       |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5 | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems | <b>Modification Number / Title:</b><br>5 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN21 CLASS |

**Modification Item 1 of 1:** VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN21 CLASS

**Manufacturer Information**

|                                        |                                     |
|----------------------------------------|-------------------------------------|
| Manufacturer Name: Various             | Manufacturer Location: Various      |
| Administrative Leadtime (in Months): 6 | Production Leadtime (in Months): 12 |

| Dates          | FY 2014 | FY 2015 | FY 2016  | FY 2017  | FY 2018  | FY 2019 | FY 2020 |
|----------------|---------|---------|----------|----------|----------|---------|---------|
| Contract Dates |         |         | Mar 2016 | Mar 2017 | Mar 2018 |         |         |
| Delivery Dates |         |         | Mar 2017 | Mar 2018 | Mar 2019 |         |         |

**Installation Information**

**Method of Implementation:** AIT:: Installation Name: EQUIPMENT

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 3 / 5.945                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 3 / 5.945                      |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 4.346                      | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 4.346                      |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 9.043                      | - / -                          | - / -                          | 2 / 9.043                      |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 3 / 5.945                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 4.346                      | - / -                          | 2 / 9.043                      | - / -                          | - / -                          | 6 / 19.334                     |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | 3   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | 1  | -  | -  | -       | -  | -  | -  | 1       | 1  | -  | -  | -       | -  | -  | -  | -  | 6   |
| Out | 3   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | 1  | -  | -       | -  | -  | -  | -       | 1  | 1  | -  | -       | -  | -  | -  | -  | 6   |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                           | <b>Date:</b> February 2015                                                                           |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5 | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems | <b>Modification Number / Title:</b><br>6 / VB034 UPGRADES FROM TI04 AND<br>OUT BASELINE SSN688 CLASS |

| Resource Summary                                                                                                                       | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total   |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|---------|
| Procurement Quantity (Units in Each)                                                                                                   | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -       |
| Gross/Weapon System Cost (\$ in Millions)                                                                                              | 87.493      | 26.075  | 40.057  | 35.158       | -           | 35.158        | 17.320  | 15.759  | 31.092  | 28.434  | 15.456      | 296.844 |
| Less PY Advance Procurement (\$ in Millions)                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -       |
| Net Procurement (P1) (\$ in Millions)                                                                                                  | 87.493      | 26.075  | 40.057  | 35.158       | -           | 35.158        | 17.320  | 15.759  | 31.092  | 28.434  | 15.456      | 296.844 |
| Plus CY Advance Procurement (\$ in Millions)                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -       |
| Total Obligation Authority (\$ in Millions)                                                                                            | 87.493      | 26.075  | 40.057  | 35.158       | -           | 35.158        | 17.320  | 15.759  | 31.092  | 28.434  | 15.456      | 296.844 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) |             |         |         |              |             |               |         |         |         |         |             |         |
| Initial Spares (\$ in Millions)                                                                                                        | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -       |
| Gross/Weapon System Unit Cost (\$ in Dollars)                                                                                          | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -       |

**Description:**

This program will provide submarine combat control systems with COTS-based upgrades to combat control and tactical control hardware and software. Milestone Decision Authority (MDA) Production Reviews are held on an annual basis.

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|-------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                                 |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   | Date: February 2015                                                                           |                                   |                                   |                                   |                                   |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5            |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5420 / SSN Combat Control Systems |                                   |                                   |                                   | Modification Number / Title:<br>6 / VB034 UPGRADES FROM TI04 AND<br>OUT BASELINE SSN688 CLASS |                                   |                                   |                                   |                                   |  |
| Models of Systems Affected: UPGRADES FROM<br>TI04 AND OUT BASELINE SSN688 CLASS     |                                   |                                   |                                   | Modification Type: UPGRADE                                         |                                   |                                   |                                   | Related RDT&E PEs: 0604562N                                                                   |                                   |                                   |                                   |                                   |  |
| Financial Plan                                                                      | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                    | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                                                                                       | FY 2019                           | FY 2020                           | To<br>Complete                    | Total                             |  |
|                                                                                     | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                  | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                                             | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |  |
| Procurement                                                                         |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                               |                                   |                                   |                                   |                                   |  |
| Modification Item 1 of 1: VB034 UPGRADES FROM<br>TI04 AND OUT BASELINE SSN688 CLASS |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                               |                                   |                                   |                                   |                                   |  |
| B Kits                                                                              |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                               |                                   |                                   |                                   |                                   |  |
| Recurring                                                                           |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                               |                                   |                                   |                                   |                                   |  |
| 2.1.1) EQUIPMENT - NonOrganic                                                       | 17 / 43.697                       | 8 / 23.344                        | 6 / 17.838                        | 6 / 18.177                                                         | - / -                             | 6 / 18.177                        | - / -                             | 5 / 15.759                                                                                    | 5 / 16.075                        | 4 / 13.117                        | - / -                             | 51 / 148.007                      |  |
| Subtotal: Recurring                                                                 | - / 43.697                        | - / 23.344                        | - / 17.838                        | - / 18.177                                                         | - / -                             | - / 18.177                        | - / -                             | - / 15.759                                                                                    | - / 16.075                        | - / 13.117                        | - / -                             | - / 148.007                       |  |
| Subtotal: VB034 UPGRADES FROM TI04 AND OUT<br>BASELINE SSN688 CLASS                 | 17 / 43.697                       | 8 / 23.344                        | 6 / 17.838                        | 6 / 18.177                                                         | - / -                             | 6 / 18.177                        | - / -                             | 5 / 15.759                                                                                    | 5 / 16.075                        | 4 / 13.117                        | - / -                             | 51 / 148.007                      |  |
| Subtotal: Procurement, All Modification Items                                       | - / 43.697                        | - / 23.344                        | - / 17.838                        | - / 18.177                                                         | - / -                             | - / 18.177                        | - / -                             | - / 15.759                                                                                    | - / 16.075                        | - / 13.117                        | - / -                             | - / 148.007                       |  |
| Installation                                                                        |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                               |                                   |                                   |                                   |                                   |  |
| Modification Item 1 of 1: VB034 UPGRADES FROM<br>TI04 AND OUT BASELINE SSN688 CLASS | - / 43.796                        | - / 2.731                         | - / 22.219                        | - / 16.981                                                         | - / -                             | - / 16.981                        | - / 17.320                        | - / -                                                                                         | - / 15.017                        | - / 15.317                        | - / 15.456                        | - / 148.837                       |  |
| Subtotal: Installation                                                              | - / 43.796                        | - / 2.731                         | - / 22.219                        | - / 16.981                                                         | - / -                             | - / 16.981                        | - / 17.320                        | - / -                                                                                         | - / 15.017                        | - / 15.317                        | - / 15.456                        | - / 148.837                       |  |
| Total                                                                               |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                               |                                   |                                   |                                   |                                   |  |
| Total Cost (Procurement + Support + Installation)                                   | 87.493                            | 26.075                            | 40.057                            | 35.158                                                             | -                                 | 35.158                            | 17.320                            | 15.759                                                                                        | 31.092                            | 28.434                            | 15.456                            | 296.844                           |  |

**UNCLASSIFIED**

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|---------------------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|----------------------------|---------------------------------------------------------------------------------------------------|--|--|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |  |                                                                           |  | <b>Date:</b> February 2015 |                                                                                                   |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5 |  | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems |  |                            | <b>Modification Number / Title:</b><br>6 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN688 CLASS |  |  |

**Modification Item 1 of 1:** VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN688 CLASS

**Manufacturer Information**

|                                        |                                     |
|----------------------------------------|-------------------------------------|
| Manufacturer Name: Various             | Manufacturer Location: Various      |
| Administrative Leadtime (in Months): 6 | Production Leadtime (in Months): 12 |

| Dates          | FY 2014  | FY 2015  | FY 2016  | FY 2017  | FY 2018  | FY 2019  | FY 2020  |
|----------------|----------|----------|----------|----------|----------|----------|----------|
| Contract Dates | Mar 2014 | Mar 2015 | Mar 2016 | Mar 2017 | Mar 2018 | Mar 2019 | Mar 2020 |
| Delivery Dates | Mar 2015 | Mar 2016 | Mar 2017 | Mar 2018 | Mar 2019 | Mar 2020 | Mar 2021 |

**Installation Information**

**Method of Implementation:** AIT:: Installation Name: EQUIPMENT

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 16 / 43.796                    | 1 / 2.731                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 17 / 46.527                    |
| FY 2014           | - / -                          | - / -                          | 8 / 22.219                     | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 8 / 22.219                     |
| FY 2015           | - / -                          | - / -                          | - / -                          | 6 / 16.981                     | - / -                          | 6 / 16.981                     | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 6 / 16.981                     |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 6 / 17.320                     | - / -                          | - / -                          | - / -                          | - / -                          | 6 / 17.320                     |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 5 / 15.017                     | - / -                          | - / -                          | 5 / 15.017                     |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 5 / 15.317                     | - / -                          | 5 / 15.317                     |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 4 / 15.456                     | 4 / 15.456                     |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 16 / 43.796                    | 1 / 2.731                      | 8 / 22.219                     | 6 / 16.981                     | - / -                          | 6 / 16.981                     | 6 / 17.320                     | - / -                          | 5 / 15.017                     | 5 / 15.317                     | 4 / 15.456                     | 51 / 148.837                   |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | 16  | -       | 1  | -  | -  | 2       | 2  | 2  | 2  | 2       | 2  | 2  | -  | 2       | 2  | 2  | -  | -       | -  | -  | 1  | 2       | 2  | -  | -  | 2       | 3  | -  | 4  | 51 |     |
| Out | 16  | -       | -  | 1  | -  | -       | 2  | 2  | 2  | 2       | 2  | 2  | 2  | -       | 2  | 2  | 2  | -       | -  | -  | -  | -       | 1  | 2  | 2  | -       | -  | 2  | 3  | 4  | 51  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                           | <b>Date:</b> February 2015                                                                           |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5 | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems | <b>Modification Number / Title:</b><br>7 / VB034 UPGRADES FROM TI04 AND<br>OUT BASELINE SSN774 CLASS |

| Resource Summary                                                                                                                       | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total  |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|--------|
| Procurement Quantity (Units in Each)                                                                                                   | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Gross/Weapon System Cost (\$ in Millions)                                                                                              | 0.000       | -       | -       | 13.832       | -           | 13.832        | 38.816  | 9.038   | -       | -       | -           | 61.686 |
| Less PY Advance Procurement (\$ in Millions)                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Net Procurement (P1) (\$ in Millions)                                                                                                  | 0.000       | -       | -       | 13.832       | -           | 13.832        | 38.816  | 9.038   | -       | -       | -           | 61.686 |
| Plus CY Advance Procurement (\$ in Millions)                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Total Obligation Authority (\$ in Millions)                                                                                            | 0.000       | -       | -       | 13.832       | -           | 13.832        | 38.816  | 9.038   | -       | -       | -           | 61.686 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) |             |         |         |              |             |               |         |         |         |         |             |        |
| Initial Spares (\$ in Millions)                                                                                                        | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Gross/Weapon System Unit Cost (\$ in Dollars)                                                                                          | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |

**Description:**

This program will provide submarine combat control systems with COTS-based upgrades to combat control and tactical control hardware and software. Milestone Decision Authority (MDA) Production Reviews are held on an annual basis.

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|-------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                                 |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   | Date: February 2015                                                                           |                                   |                                   |                                   |                                   |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5            |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5420 / SSN Combat Control Systems |                                   |                                   |                                   | Modification Number / Title:<br>7 / VB034 UPGRADES FROM TI04 AND<br>OUT BASELINE SSN774 CLASS |                                   |                                   |                                   |                                   |  |
| Models of Systems Affected: UPGRADES FROM<br>TI04 AND OUT BASELINE SSN774 CLASS     |                                   |                                   |                                   | Modification Type: UPGRADE                                         |                                   |                                   |                                   | Related RDT&E PEs: 0604562N                                                                   |                                   |                                   |                                   |                                   |  |
| Financial Plan                                                                      | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                    | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                                                                                       | FY 2019                           | FY 2020                           | To<br>Complete                    | Total                             |  |
|                                                                                     | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                  | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                                             | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |  |
| Procurement                                                                         |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                               |                                   |                                   |                                   |                                   |  |
| Modification Item 1 of 1: VB034 UPGRADES FROM<br>TI04 AND OUT BASELINE SSN774 CLASS |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                               |                                   |                                   |                                   |                                   |  |
| B Kits                                                                              |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                               |                                   |                                   |                                   |                                   |  |
| Recurring                                                                           |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                               |                                   |                                   |                                   |                                   |  |
| 1.1.1) EQUIPMENT - NonOrganic                                                       | - / -                             | - / -                             | - / -                             | 2 / 13.832                                                         | - / -                             | 2 / 13.832                        | 5 / 35.272                        | - / -                                                                                         | - / -                             | - / -                             | - / -                             | 7 / 49.104                        |  |
| Subtotal: Recurring                                                                 | - / 0.000                         | - / -                             | - / -                             | - / 13.832                                                         | - / -                             | - / 13.832                        | - / 35.272                        | - / -                                                                                         | - / -                             | - / -                             | - / -                             | - / 49.104                        |  |
| Subtotal: VB034 UPGRADES FROM TI04 AND OUT<br>BASELINE SSN774 CLASS                 | - / -                             | - / -                             | - / -                             | 2 / 13.832                                                         | - / -                             | 2 / 13.832                        | 5 / 35.272                        | - / -                                                                                         | - / -                             | - / -                             | - / -                             | 7 / 49.104                        |  |
| Subtotal: Procurement, All Modification Items                                       | - / 0.000                         | - / -                             | - / -                             | - / 13.832                                                         | - / -                             | - / 13.832                        | - / 35.272                        | - / -                                                                                         | - / -                             | - / -                             | - / -                             | - / 49.104                        |  |
| Installation                                                                        |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                               |                                   |                                   |                                   |                                   |  |
| Modification Item 1 of 1: VB034 UPGRADES FROM<br>TI04 AND OUT BASELINE SSN774 CLASS | - / 0.000                         | - / -                             | - / -                             | - / -                                                              | - / -                             | - / -                             | - / 3.544                         | - / 9.038                                                                                     | - / -                             | - / -                             | - / -                             | - / 12.582                        |  |
| Subtotal: Installation                                                              | - / 0.000                         | - / -                             | - / -                             | - / -                                                              | - / -                             | - / -                             | - / 3.544                         | - / 9.038                                                                                     | - / -                             | - / -                             | - / -                             | - / 12.582                        |  |
| Total                                                                               |                                   |                                   |                                   |                                                                    |                                   |                                   |                                   |                                                                                               |                                   |                                   |                                   |                                   |  |
| Total Cost (Procurement + Support + Installation)                                   | 0.000                             | -                                 | -                                 | 13.832                                                             | -                                 | 13.832                            | 38.816                            | 9.038                                                                                         | -                                 | -                                 | -                                 | 61.686                            |  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |  |                                                                           |  | <b>Date:</b> February 2015 |                                                                                                   |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5 |  | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems |  |                            | <b>Modification Number / Title:</b><br>7 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS |  |  |

**Modification Item 1 of 1:** VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS

**Manufacturer Information**

|                                        |  |  |  |                                     |  |  |  |
|----------------------------------------|--|--|--|-------------------------------------|--|--|--|
| Manufacturer Name: Various             |  |  |  | Manufacturer Location: Various      |  |  |  |
| Administrative Leadtime (in Months): 6 |  |  |  | Production Leadtime (in Months): 12 |  |  |  |

| Dates          | FY 2014 | FY 2015 | FY 2016  | FY 2017  | FY 2018 | FY 2019 | FY 2020 |
|----------------|---------|---------|----------|----------|---------|---------|---------|
| Contract Dates |         |         | Mar 2016 | Mar 2017 |         |         |         |
| Delivery Dates |         |         | Mar 2017 | Mar 2018 |         |         |         |

**Installation Information**

**Method of Implementation:** AIT:: Installation Name: EQUIPMENT

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 3.544                      | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 3.544                      |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 5 / 9.038                      | - / -                          | - / -                          | - / -                          | 5 / 9.038                      |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 3.544                      | 5 / 9.038                      | - / -                          | - / -                          | - / -                          | 7 / 12.582                     |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | -   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | 1  | 1  | -  | 1       | 2  | 2  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 7   |
| Out | -   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | 1  | 1  | -       | 1  | 2  | 2  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 7   |



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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                           | <b>Date:</b> February 2015                                                                                     |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5 | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems | <b>Modification Number / Title:</b><br>8 / VB034 UPGRADES FROM TI04 AND<br>OUT BASELINE SSN774 CLASS W/<br>CWL |

| Resource Summary                                                                                                                       | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total  |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|--------|
| Procurement Quantity (Units in Each)                                                                                                   | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Gross/Weapon System Cost (\$ in Millions)                                                                                              | 0.000       | -       | -       | -            | -           | -             | -       | -       | -       | 11.413  | 2.999       | 14.412 |
| Less PY Advance Procurement (\$ in Millions)                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Net Procurement (P1) (\$ in Millions)                                                                                                  | 0.000       | -       | -       | -            | -           | -             | -       | -       | -       | 11.413  | 2.999       | 14.412 |
| Plus CY Advance Procurement (\$ in Millions)                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Total Obligation Authority (\$ in Millions)                                                                                            | 0.000       | -       | -       | -            | -           | -             | -       | -       | -       | 11.413  | 2.999       | 14.412 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) |             |         |         |              |             |               |         |         |         |         |             |        |
| Initial Spares (\$ in Millions)                                                                                                        | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Gross/Weapon System Unit Cost (\$ in Dollars)                                                                                          | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |

**Description:**

This program will provide submarine combat control systems with COTS-based upgrades to combat control and tactical control hardware and software and Common Weapon Launcher (CWL). Milestone Decision Authority (MDA) Production Reviews are held on an annual basis.

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|-----------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|--|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                                    |                                       |                                       |                                       |                                                                           |                                       |                                       |                                       |                                       |                                       | <b>Date:</b> February 2015                                                                               |                                       |                                       |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5               |                                       |                                       |                                       | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems |                                       |                                       |                                       |                                       |                                       | <b>Modification Number / Title:</b><br>8 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS W/ CWL |                                       |                                       |  |
| <b>Models of Systems Affected:</b>                                                            |                                       |                                       |                                       | <b>Modification Type:</b>                                                 |                                       |                                       |                                       | <b>Related RDT&amp;E PEs:</b>         |                                       |                                                                                                          |                                       |                                       |  |
| <b>Financial Plan</b>                                                                         | <b>Prior Years</b>                    | <b>FY 2014</b>                        | <b>FY 2015</b>                        | <b>FY 2016 Base</b>                                                       | <b>FY 2016 OCO</b>                    | <b>FY 2016 Total</b>                  | <b>FY 2017</b>                        | <b>FY 2018</b>                        | <b>FY 2019</b>                        | <b>FY 2020</b>                                                                                           | <b>To Complete</b>                    | <b>Total</b>                          |  |
|                                                                                               | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i>                                     | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i>                                                                    | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> |  |
| <b>Procurement</b>                                                                            |                                       |                                       |                                       |                                                                           |                                       |                                       |                                       |                                       |                                       |                                                                                                          |                                       |                                       |  |
| <i>Modification Item 1 of 1:</i> VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS W/CWL |                                       |                                       |                                       |                                                                           |                                       |                                       |                                       |                                       |                                       |                                                                                                          |                                       |                                       |  |
| B Kits                                                                                        |                                       |                                       |                                       |                                                                           |                                       |                                       |                                       |                                       |                                       |                                                                                                          |                                       |                                       |  |
| Recurring                                                                                     |                                       |                                       |                                       |                                                                           |                                       |                                       |                                       |                                       |                                       |                                                                                                          |                                       |                                       |  |
| 1.1.1) EQUIPMENT - NonOrganic                                                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                     | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | 1 / 11.413                                                                                               | - / -                                 | 1 / 11.413                            |  |
| <i>Subtotal: Recurring</i>                                                                    | - / 0.000                             | - / -                                 | - / -                                 | - / -                                                                     | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / 11.413                                                                                               | - / -                                 | - / 11.413                            |  |
| <i>Subtotal: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS W/CWL</i>                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                     | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | 1 / 11.413                                                                                               | - / -                                 | 1 / 11.413                            |  |
| <i>Subtotal: Procurement, All Modification Items</i>                                          | - / 0.000                             | - / -                                 | - / -                                 | - / -                                                                     | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / 11.413                                                                                               | - / -                                 | - / 11.413                            |  |
| <b>Installation</b>                                                                           |                                       |                                       |                                       |                                                                           |                                       |                                       |                                       |                                       |                                       |                                                                                                          |                                       |                                       |  |
| <i>Modification Item 1 of 1:</i> VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS W/CWL | - / 0.000                             | - / -                                 | - / -                                 | - / -                                                                     | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                                                    | - / 2.999                             | - / 2.999                             |  |
| <i>Subtotal: Installation</i>                                                                 | - / 0.000                             | - / -                                 | - / -                                 | - / -                                                                     | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                                                    | - / 2.999                             | - / 2.999                             |  |
| <b>Total</b>                                                                                  |                                       |                                       |                                       |                                                                           |                                       |                                       |                                       |                                       |                                       |                                                                                                          |                                       |                                       |  |
| <b>Total Cost (Procurement + Support + Installation)</b>                                      | <b>0.000</b>                          | <b>-</b>                              | <b>-</b>                              | <b>-</b>                                                                  | <b>-</b>                              | <b>-</b>                              | <b>-</b>                              | <b>-</b>                              | <b>-</b>                              | <b>11.413</b>                                                                                            | <b>2.999</b>                          | <b>14.412</b>                         |  |

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|---------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                           | <b>Date:</b> February 2015                                                                                     |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5 | <b>P-1 Line Item Number / Title:</b><br>5420 / SSN Combat Control Systems | <b>Modification Number / Title:</b><br>8 / VB034 UPGRADES FROM TI04 AND<br>OUT BASELINE SSN774 CLASS W/<br>CWL |

**Modification Item 1 of 1:** VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS W/CWL

**Manufacturer Information**

|                                        |                                     |
|----------------------------------------|-------------------------------------|
| Manufacturer Name: Various             | Manufacturer Location: Various      |
| Administrative Leadtime (in Months): 6 | Production Leadtime (in Months): 12 |

| Dates          | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018  | FY 2019 | FY 2020  |
|----------------|---------|---------|---------|---------|----------|---------|----------|
| Contract Dates |         |         |         |         | Mar 2018 |         | Mar 2020 |
| Delivery Dates |         |         |         |         | Mar 2019 |         | Mar 2021 |

**Installation Information**

**Method of Implementation:** AIT:: Installation Name: EQUIPMENT

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 2.999                      | 1 / 2.999                      |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 2.999                      | 1 / 2.999                      |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | 0   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | 1  | 1  |     |
| Out | 0   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | 1  | 1  |     |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|------------------------------------|--------------|-------------|---------------|---------------------------------------------------------------|---------------------------------|---------|---------|-------------|------------|
| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |         |                                    |              |             |               |                                                               | Date: February 2015             |         |         |             |            |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |         |                                    |              |             |               | P-1 Line Item Number / Title:<br>5429 / ASW Support Equipment |                                 |         |         |             |            |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         | Program Elements for Code B Items: |              |             |               |                                                               | Other Related Program Elements: |         |         |             |            |
| Resource Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Prior Years | FY 2014 | FY 2015                            | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017                                                       | FY 2018                         | FY 2019 | FY 2020 | To Complete | Total      |
| Procurement Quantity (Units in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -           | -       | -                                  | -            | -           | -             | -                                                             | -                               | -       | -       | -           | -          |
| Gross/Weapon System Cost (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.000       | -       | 7.559                              | 30.189       | -           | 30.189        | 27.635                                                        | 23.339                          | 22.746  | 22.818  | Continuing  | Continuing |
| Less PY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -           | -       | -                                  | -            | -           | -             | -                                                             | -                               | -       | -       | -           | -          |
| Net Procurement (P1) (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.000       | -       | 7.559                              | 30.189       | -           | 30.189        | 27.635                                                        | 23.339                          | 22.746  | 22.818  | Continuing  | Continuing |
| Plus CY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -           | -       | -                                  | -            | -           | -             | -                                                             | -                               | -       | -       | -           | -          |
| Total Obligation Authority (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.000       | -       | 7.559                              | 30.189       | -           | 30.189        | 27.635                                                        | 23.339                          | 22.746  | 22.818  | Continuing  | Continuing |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |         |                                    |              |             |               |                                                               |                                 |         |         |             |            |
| Initial Spares (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -           | -       | -                                  | -            | -           | -             | -                                                             | -                               | -       | -       | -           | -          |
| Flyaway Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -           | -       | -                                  | -            | -           | -             | -                                                             | -                               | -       | -       | -           | -          |
| Gross/Weapon System Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -           | -       | -                                  | -            | -           | -             | -                                                             | -                               | -       | -       | -           | -          |
| Description:<br>ASW SUPPORT EQUIPMENT (Starting with FY 2015, all Submarine ASW Support Equipment OPN BLI 5431, Surface ASW Support Equipment OPN BLI 5449 and ASW Range Support Equipment BLI 5455 funding was moved under ASW Support Equipment OPN BLI 5429 for budget consolidation purposes):<br><br>Cost Codes 6A002/6A830/6A5IN: Funding for modifications and improvements to Attack and Ballistic Missile Submarine fire control interface systems, torpedo tube system components and torpedo tube test equipment. These requirements arise as a result of the introduction of new or modified weapons and sensors and their subsequent evaluation test and operational use. Also procured are reliability, maintainability, functional and safety modifications and tactical improvements resulting from operational use experience.<br><br>Cost Codes VC008/VC009/VC900/VC6IN - SURFACE ASW SUPPORT EQUIPMENT: Funding to procure Reliability, Maintainability and Availability (RM&A) and safety modifications through the Ordnance Alteration (ORDALT) process to Anti-Submarine Warfare (ASW) Fire Control, Surface Vessel Torpedo Tubes (SVTT), and related ASW Fire Control/SVTT support and test equipment to maintain the current envelope. Modification requirements arise as a result of evaluation, testing, and Fleet use of existing, new, or modified ASW weapons and/or related systems and subsystems. Included in this line item are all related procurements for training and simulation equipment required for the continued operation of this equipment. ORDALT procurements are highly variable and dependent on shipboard configurations and equipment age. This line item is coordinated by the Naval Sea Systems Command.<br><br>Cost Codes VC001-VC007/VC831/VC832/VC851/VC970 - ASW RANGE SUPPORT EQUIPMENT: ASW range support equipment includes self-propelled surface targets, towed surface targets, and associated target augmentation to mimic threats and/or provide feedback. Self-propelled surface targets include the High Speed Maneuverable Surface Target (HSMST), Fast Attack Craft Target (FACT), and Ship Deployable Surface Target (SDST). Towed surface targets include the Low Cost Modular Target (LCMT) and Polyethylene Tow Target (PETT). Funding is also for the procurement of training range and shore equipment, Test and Evaluation (T&E), acoustic trial range equipment, and weapon system and test equipment. Equipment procured includes instrumentation for US Fleet Operational Readiness Accuracy Check Sites (FORACS) Program, equipment required to conduct fleet exercises at Navy ASW Training ranges for the Underwater Tracking Range Equipment (UTRE)/Pinger Program, and equipment for the Surface Ship Radiated Noise Measurement (SSRNM) Program. Training and T&E ranges include; Southern California Offshore Range (SCORE), Barking Sands Tactical Underwater Range/Barking Sands Underwater Range Extension (BARSTUR/BSURE), Atlantic Underwater Test and Evaluation Center (AUTEC), Nanoose and Dabob Bay. FORACS ranges include; Andros Island and Southern California.<br><br>[P40A / 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT]: 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT<br>The Submarine Torpedo Tube Support category funds in-service support and alteration procurements for all submarine torpedo tubes (TT), torpedo ejection pumps (TEP), internal countermeasure launchers (ICL), and weapons stowage and handling systems (WSHS). Development efforts under this item number include Engineering Change Proposals, ORDALTs, Type Zero (TZ) kits and Test Equipment and alteration material procurement to correct significant deficiencies in equipment affecting personnel safety, ship safety and system performance. |             |         |                                    |              |             |               |                                                               |                                 |         |         |             |            |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    | Date: February 2015                                           |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5:<br>ASW Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    | P-1 Line Item Number / Title:<br>5429 / ASW Support Equipment |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Program Elements for Code B Items: | Other Related Program Elements:                               |
| <p>[P40A / 6A830 - PRODUCTION ENGINEERING]: 6A830 - PRODUCTION ENGINEERING<br/>Production engineering includes resolving Liaison Action Requests (LARs) configure/test assembly in lab prior to ship installation and in-shop engineering support of vendor testing.</p> <p>[P40A / O/A INSTALLATION]: 6A5IN O/A 18000 INSTALL<br/>Installing agents will be various Naval Shipyards and contractors. All installations will be on SSBN and SSN 688/21 Class Submarines.</p> <p>[P40A - 2 / VC008 - ASWCS FIRE CONTROL ORDALTS, MK54 SURFACE SHIP USW FCS MODS]: VC008 Cost Elements/Descriptions as follows:</p> <p>ASWCS - UFCS/Control Panel ORDALTS: Provides funding for ORDALT kits for the ASW Underwater Fire Control System (UFCS) and Control Panel (MK309), ASW Control System (ASWCS) MK116 Mod 7, Torpedo Setting Panel (MK331), and the Torpedo Pre-Setter Test Set (MK432). ORDALT procurements include a MK432 Mod 6 test set which provides for the addition of wide angle display, cable terminations and tech refresh of obsolete motherboard parts. Also provides material support at multiple land-based laboratories as well as material support for upgrades and calibrations. Procurements will ensure laboratories are at Fleet baseline configurations.</p> <p>ASWCS - Production Engineering Support: Provides the necessary production engineering support funds to cover the associated Integrated Logistics Support (ILS) elements, Engineering Change Proposal (ECP) reviews, Engineering Changes (EC), Ship Change Documents (SCDs), and engineering audits for ASW Fire Control. Reviews and approves internal and external system interfaces (hardware and integration related) and identify interface issues.</p> <p>ASWCS - Acceptance Test &amp; Evaluation: Provides the in-house acceptance test and evaluation funding associated with the safety and quality assurance testing of all ASW Fire Control, Alteration Equivalent to Repairs (AERs), ECPs, ECs, and SCDs.</p> <p>[P40A - 2 / VC009 - TORPEDO TUBE ORDALTS]: VC009 Cost Elements/Descriptions as follows:</p> <p>SVTT - MK32 ORDALTS: The SVTT MK32 is an over-the-side torpedo defense surface ship launched system that conducts close-in ASW operations. This line provides funding for SVTT MK32 launchers, Torpedo Loading Trays (TLTs), and ancillary equipment for testing, training, and maintainability on select surface ship combatants. ORDALT procurements include: Emergency Fire Circuit and Mount to Magazine Door Interoperability Circuit Improvements (SVTT MK32 Mod 19 only - ORDALT 76463); Overheat Sensor Test Set (SVTT MK32 Mod 15 Only - ORDALT 412-01-019); Locking Handle Securing Device (SVTT MK32 All Mods - ORDALT 412-01-031); Pressure Switch Assembly Replacement (SVTT MK32 All Mods - ORDALT 73191); Torpedo MK54 SVTT Upgrades for select CGs not scheduled for early decommissioning (SVTT MK32 Mods 14 Only - ORDALT 76008; Funding ended in FY13); Safe/Ready Lever Modification (SVTT MK32 Mod 15 Only - ORDALT 73440); Breech Mechanism Control Valve Redesign (SVTT MK32 All Mods - ORDALT TBD); Securing Mechanism Shoulder Bolt Retention (SVTT MK32 All Mods - ORDALT 412-04-025); Over-Heat Sensor Assembly Modification (SVTT MK32 Mod 15 Only - ORDALT 412-05-015); Training Gear Handcrank Support Improvements (SVTT MK32 Mods 15 Only - ORDALT TBD) and Air Charging Panel Regulator Improvements (SVTT MK32 MOD 15 Only - ORDALT TBD). Procure SVTT shoresite laboratory equipment for Launcher System Facilities (LSF). LSFs are used to simulate shipboard conditions for over-the-side torpedo launchers, as well as for the creation of the required ORDALTS.</p> <p>SVTT - Production Engineering: Provides the necessary production engineering support funds to cover the associated Integrated Logistics Support (ILS) elements, Engineering Change Proposal (ECP) reviews, Engineering Changes (EC), SCDs, and engineering audits for SVTT ORDALTS.</p> <p>SVTT - Acceptance Test &amp; Evaluation: Provides the in-house acceptance test and evaluation funding required for the safety and quality assurance testing of all SVTT ORDALTs, Alteration Equivalent to Repairs (AERs), ECPs, ECs, and SCDs.</p> <p>[P40A - 2 / VC900 - CONSULTING SERVICES]: VC900 Cost Element/Description as Follows:</p> <p>Provides the necessary funding for consulting services required to support scheduling of ASW Fire Control and SVTT ORDALT production, test, and installation efforts in conjunction with operation, safety, and environmental requirements.</p> |                                    |                                                               |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                    | Date: February 2015                                           |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    | P-1 Line Item Number / Title:<br>5429 / ASW Support Equipment |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Program Elements for Code B Items: | Other Related Program Elements:                               |
| <p>[P40A - 2 / VC6IN - INSTALLATION OF EQUIPMENT - N96]: VC6IN Cost Element/Description as follows:</p> <p>Funds the installation of all ASW Fire Control (under Cost Code 6B001) and SVTT (under Cost Code 6B004) ORDALTs/SCDs. ORDALT/SCD Alteration Installation Team (AIT) pier-side installations are variable and contingent on Type Commander (TYCOM), Ships' Scheduling Conference (SSC), and ships' availability.</p> <p>[P40A - 3 / ASW Range Support Equipment (3)]: ANTI-SUBMARINE WARFARE (ASW) RANGE EQUIPMENT:</p> <p>Funding for self-propelled surface targets, towed surface targets, and associated target augmentation to mimic threats and/or provide feedback. Self-propelled surface targets include the High Speed Maneuverable Surface Target (HSMST), Fast Attack Craft Target (FACT), and Ship Deployable Surface Target (SDST). Towed surface targets include the Low Cost Modular Target (LCMT) and Polyethylene Tow Target (PETT). (Targets)</p> <p>Funding also provides Surface Ship Radiated Noise Measurement (SSRNM) &amp; US Fleet Operational Readiness Accuracy Check Sites (FORACS) test and evaluation capability for surface ships and submarines; Underwater Tracking Range Equipment (UTRE)/Pingers equipment for underwater tracking of units operation on Undersea Warfare (USW) training ranges. (S05)</p> <p>[P40A - 3 / VC001 - Surface Ship Radiated Noise Measurement (SSRNM)/US Fleet Operational Readiness Accuracy Check Sites (FORACS) - N96]: Funding provides for the procurement of range communication systems, ship auto-tracking system, Surface Ship Acoustic Range Equipment, and upgraded ship position tracking system for the Surface Ship Radiated Noise Measurement (SSRNM) and US Fleet Operational Readiness Accuracy Check Sites (FORACS) programs. Funding also provides for improvements, modernizations, and upgrades to systems and equipment.</p> <p>[P40A - 3 / VC002 - UNDERWATER TRACKING RANGE EQUIPMENT (UTRE) - N98]: Funding provides for the procurement of shipboard underwater tracking equipment for existing ranges on both coasts and in Hawaii, shop special purpose Pinger test equipment, and the associated cables/mounting hardware required to track ships and submarines conducting Fleet exercises at the Navy training ranges for the Underwater Tracking Range Equipment (UTRE)/Pinger Program. Funding provides all of the Navy Underwater Ranges with tracking equipment because the equipment must be compatible with underwater vehicles (i.e. ships, submarines, torpedoes, mines and sonars). Funding also provides for improvements, modernizations, and upgrades to systems and equipment. Funding plus-up starting in FY14 is for an obsolescence driven upgrade to the submarine Underwater Tracking System (UTS). Funding will provide for procurement of underwater tracking equipment for submarines operating on Undersea Ranges including 65 UTS shipboard units, TEMPALT modifications and training.</p> <p>[P40A - 3 / VC003 - TOWED TARGETS]: The Fleet requires low cost expendable towed targets for weapon system T&amp;E and Fleet training. The Low Cost Modular Target (LCMT) is the primary towed target used to meet these requirements in future years. Increased funding in FY13 and following years is to support Fast Attack Craft-Fast Inshore Attack Craft (FAC-FIAC) training for the Fleet.</p> <p>[P40A - 3 / VC004 - INSTRUMENTATION]: Seaborne target augmentation systems include transponders (i.e. transmitters/receivers), radar reflectors, radio frequency (RF) emitters and ground support equipment (GSE). Various electronic components provide the interface for the target control systems with the control stations/facilities for drone operations. RF emitters and radar reflectors enhance target threat replication and provide the required stimulus for anti-surface/radar weapons systems. FY13 reflects one time procurement of Multiple Integrated Laser Engagement System (MILES) gear which will be used on-board HSMSTs and other seaborne targets for counter-swarm training.</p> <p>[P40A - 3 / VC005 - HSMST (HIGH SPEED MANEUVERABLE SURFACE TARGET)]: Provides the user with a medium to high speed remote controlled surface target with a high degree of maneuverability. It has a form fitted collar surrounding the deck area of the aluminum hull. This target can exceed 45 knots in a calm sea and approaches 40 knots in a sea state 3. Increased funding in FY13 and following years is to support Fast Attack Craft-Fast Inshore Attack Craft (FAC-FIAC) training for the Fleet.</p> <p>[P40A - 3 / VC006 - SDST (Ship Deployable Surface Target)]: SDST (Ship Deployable Surface Target) is used to support Fleet training and T&amp;E exercises. This target supports training requirements of deploying ships and aircraft and surface gunnery requirements.</p> <p>[P40A - 3 / VC007 - FACT (Fast Attack Craft Target)]: FACT (Fast Attack Craft Target) is required to meet T&amp;E requirements for weapon systems tests and Fleet training. The exercises require a target to represent missile capable patrol craft operating at speeds of 50 knots in sea state 2 conditions.</p> |                                    |                                                               |

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           | <b>Date:</b> February 2015                                           |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5:<br>ASW Support Equipment                                                                                                                                                                                                                                                                                                                                                                                               |                                           | <b>P-1 Line Item Number / Title:</b><br>5429 / ASW Support Equipment |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Program Elements for Code B Items:</b> | <b>Other Related Program Elements:</b>                               |
| <p>[P40A - 3 / VC831/2 - PRODUCTION ENGINEERING]: _<br/>Funding provides for Production Engineering performed by a field activity or contractor during the production phase of these projects. (S05)</p> <p>[P40A - 3 / VC851 - PRODUCT IMPROVEMENT]: _<br/>Funding provides for Product Improvement performed by a field activity or contractor during the production phase of these projects. (S05)</p> <p>[P40A - 3 / VC970 - INTEGRATED LOGISTICS SUPPORT]: Review of proposed acquisition documentation to ensure all logistics requirements are included.</p> |                                           |                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                                                      |



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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy | <b>Date:</b> February 2015 |
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| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5:<br>ASW Support Equipment | <b>P-1 Line Item Number / Title:</b><br>5429 / ASW Support Equipment |
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| ID Code (A=Service Ready, B=Not Service Ready) : A |             |       | Program Elements for Code B Items:       |                                          |                                          | Other Related Program Elements:          |                                          |                                          |
|----------------------------------------------------|-------------|-------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| Exhibits Schedule                                  |             |       | Prior Years                              | FY 2014                                  | FY 2015                                  | FY 2016 Base                             | FY 2016 OCO                              | FY 2016 Total                            |
| Title*                                             | Exhibits    | ID CD | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) |
| SUB WEAPONS LAUNCHING/HANDLING SUPPORT EQUIPMENT   | P-40a       |       | - / 0.000                                | - / -                                    | - / 3.876                                | - / 3.485                                | - / -                                    | - / 3.485                                |
| SURFACE ASW SUPPORT EQUIPMENT                      | P-40a       |       | - / 0.000                                | - / -                                    | - / 3.683                                | - / 3.709                                | - / -                                    | - / 3.709                                |
| ASW Range Support Equipment (3)                    | P-40a, P-5a |       | - / 0.000                                | - / -                                    | - / -                                    | - / 22.995                               | - / -                                    | - / 22.995                               |
| <b>Total Gross/Weapon System Cost</b>              |             |       | <b>- / 0.000</b>                         | <b>- / -</b>                             | <b>- / 7.559</b>                         | <b>- / 30.189</b>                        | <b>- / -</b>                             | <b>- / 30.189</b>                        |

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

**Justification:**

Note: The items contained within this budget line were funded under other line items in FY14 and prior.

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|-----------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------|--|--|--|--|--|------------------------------------------------------------------------------------------------|--|
| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy |  |  |  |                                                               |  |  |  |  |  | Date: February 2015                                                                            |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5    |  |  |  | P-1 Line Item Number / Title:<br>5429 / ASW Support Equipment |  |  |  |  |  | Aggregated Items Title:<br>SUB WEAPONS LAUNCHING/<br>HANDLING SUPPORT EQUIPMENT <sup>(1)</sup> |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                               | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|-----------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                           |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT            |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) 2J COG MATERIAL                                      | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.200             | -              | -          | 0.100             | -              | -          | -                 | -              | -          | 0.100             |
| 1.2) TT/TEP/ICL/ WSHS                                     | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 1.203             | -              | -          | 1.019             | -              | -          | -                 | -              | -          | 1.019             |
| Subtotal: 1) 6A002 - SUB WEAPONS LAUNCH/ HANDLING SUPPORT |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 1.403             | -              | -          | 1.119             | -              | -          | -                 | -              | -          | 1.119             |
| 2) 6A002 ORDALT PROCUREMENT                               |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) O/A MATERIAL                                         | A     |                | -              | -          | -                 | -              | -          | -                 | 50,000.00      | 5          | 0.250             | 50,000.00      | 5          | 0.250             | -              | -          | -                 | 50,000.00      | 5          | 0.250             |
| Subtotal: 2) 6A002 ORDALT PROCUREMENT                     |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 0.250             | -              | -          | 0.250             | -              | -          | -                 | -              | -          | 0.250             |
| 3) 6A002 - TEST EQUIPMENT                                 |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 3.1) BORE GAGE                                            | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.075             | -              | -          | 0.047             | -              | -          | -                 | -              | -          | 0.047             |
| 3.2) MISC. TEST EQUIPMENT                                 | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.075             | -              | -          | 0.075             | -              | -          | -                 | -              | -          | 0.075             |
| 3.3) TEST FACILITY EQUIPMENT                              | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.100             | -              | -          | 0.091             | -              | -          | -                 | -              | -          | 0.091             |
| Subtotal: 3) 6A002 - TEST EQUIPMENT                       |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 0.250             | -              | -          | 0.213             | -              | -          | -                 | -              | -          | 0.213             |
| 4) 6A830 - PRODUCTION ENGINEERING                         |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 4.1) PRODUCTION ENGINEERING                               | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.250             | -              | -          | 0.200             | -              | -          | -                 | -              | -          | 0.200             |
| Subtotal: 4) 6A830 - PRODUCTION ENGINEERING               |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 0.250             | -              | -          | 0.200             | -              | -          | -                 | -              | -          | 0.200             |
| 5) 6A51N ORDALT INSTALLATION                              |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 5.1) O/A INSTALLATION                                     | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 1.723             | -              | -          | 1.703             | -              | -          | -                 | -              | -          | 1.703             |
| Subtotal: 5) 6A51N ORDALT INSTALLATION                    |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 1.723             | -              | -          | 1.703             | -              | -          | -                 | -              | -          | 1.703             |
| Total                                                     |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 3.876             | -              | -          | 3.485             | -              | -          | -                 | -              | -          | 3.485             |

**Footnotes:**

<sup>(1)</sup> This line item procures modifications and improvements to Attack and Ballistic Missile Submarine fire control interface systems, torpedo tube system components and torpedo tube test equipment. These requirements arise as a result of the introduction of new or modified weapons and sensors and their subsequent evaluation test and operational use. Also procured are reliability, maintainability, functional and safety modifications and tactical improvements resulting from operational use experience.

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy               |       |                |                |            |                   |                |                                                               |                   |                |            |                   |                |            |                   | Date: February 2015                                                        |            |                   |                |            |                   |
|-------------------------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|---------------------------------------------------------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------------------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5                  |       |                |                |            |                   |                | P-1 Line Item Number / Title:<br>5429 / ASW Support Equipment |                   |                |            |                   |                |            |                   | Aggregated Items Title:<br>SURFACE ASW SUPPORT<br>EQUIPMENT <sup>(2)</sup> |            |                   |                |            |                   |
| Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding. |       |                |                |            |                   |                |                                                               |                   |                |            |                   |                |            |                   |                                                                            |            |                   |                |            |                   |
| Item Number / Title [DODIC]                                                               | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |                                                               |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO                                                                |            |                   | FY 2016 Total  |            |                   |
|                                                                                           |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each)                                                    | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                                             | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) VC008 - ASWCS FIRE CONTROL ORDALTS, MK54 SURFACE SHIP USW FCS MODS                     |       |                |                |            |                   |                |                                                               |                   |                |            |                   |                |            |                   |                                                                            |            |                   |                |            |                   |
| 1.1) ASWCS - UCFS/CONTROL PANEL ORDALTS                                                   |       |                | -              | -          | -                 | -              | -                                                             | -                 | -              | -          | 1.704             | -              | -          | 1.690             | -                                                                          | -          | -                 | -              | -          | 1.690             |
| 1.2) ASWCS - PRODUCTION ENGINEERING SUPPORT                                               |       |                | -              | -          | -                 | -              | -                                                             | -                 | -              | -          | 0.083             | -              | -          | 0.087             | -                                                                          | -          | -                 | -              | -          | 0.087             |
| 1.3) ASWCS - ACCEPTANCE TEST & EVALUATION                                                 |       |                | -              | -          | -                 | -              | -                                                             | -                 | -              | -          | 0.050             | -              | -          | 0.050             | -                                                                          | -          | -                 | -              | -          | 0.050             |
| Subtotal: 1) VC008 - ASWCS FIRE CONTROL ORDALTS, MK54 SURFACE SHIP USW FCS MODS           |       |                | -              | -          | 0.000             | -              | -                                                             | -                 | -              | -          | 1.837             | -              | -          | 1.827             | -                                                                          | -          | -                 | -              | -          | 1.827             |
| 2) VC009 - TORPEDO TUBE ORDALTS                                                           |       |                |                |            |                   |                |                                                               |                   |                |            |                   |                |            |                   |                                                                            |            |                   |                |            |                   |
| 2.1) SVTT - MK32 ORDALTS                                                                  |       |                | -              | -          | -                 | -              | -                                                             | -                 | -              | -          | 1.405             | -              | -          | 1.438             | -                                                                          | -          | -                 | -              | -          | 1.438             |
| 2.2) SVTT - PRODUCTION ENGINEERING SUPPORT                                                |       |                | -              | -          | -                 | -              | -                                                             | -                 | -              | -          | 0.083             | -              | -          | 0.083             | -                                                                          | -          | -                 | -              | -          | 0.083             |
| 2.3) SVTT - ACCEPTANCE TEST & EVALUATION                                                  |       |                | -              | -          | -                 | -              | -                                                             | -                 | -              | -          | 0.050             | -              | -          | 0.050             | -                                                                          | -          | -                 | -              | -          | 0.050             |
| Subtotal: 2) VC009 - TORPEDO TUBE ORDALTS                                                 |       |                | -              | -          | 0.000             | -              | -                                                             | -                 | -              | -          | 1.538             | -              | -          | 1.571             | -                                                                          | -          | -                 | -              | -          | 1.571             |
| 3) VC900 - CONSULTING SERVICES                                                            |       |                |                |            |                   |                |                                                               |                   |                |            |                   |                |            |                   |                                                                            |            |                   |                |            |                   |
| 3.1) CONSULTING SERVICES                                                                  |       |                | -              | -          | -                 | -              | -                                                             | -                 | -              | -          | 0.097             | -              | -          | 0.098             | -                                                                          | -          | -                 | -              | -          | 0.098             |
| Subtotal: 3) VC900 - CONSULTING SERVICES                                                  |       |                | -              | -          | 0.000             | -              | -                                                             | -                 | -              | -          | 0.097             | -              | -          | 0.098             | -                                                                          | -          | -                 | -              | -          | 0.098             |
| 4) VC6IN - INSTALLATION OF EQUIPMENT - N96                                                |       |                |                |            |                   |                |                                                               |                   |                |            |                   |                |            |                   |                                                                            |            |                   |                |            |                   |
| 4.1) ASWCS - FIRE CONTROL ORDALTS                                                         |       |                | -              | -          | -                 | -              | -                                                             | -                 | -              | -          | 0.110             | -              | -          | 0.109             | -                                                                          | -          | -                 | -              | -          | 0.109             |
| 4.2) SVTT - TORPEDO TUBE ORDALTS                                                          |       |                | -              | -          | -                 | -              | -                                                             | -                 | -              | -          | 0.101             | -              | -          | 0.104             | -                                                                          | -          | -                 | -              | -          | 0.104             |
| Subtotal: 4) VC6IN - INSTALLATION OF EQUIPMENT - N96                                      |       |                | -              | -          | 0.000             | -              | -                                                             | -                 | -              | -          | 0.211             | -              | -          | 0.213             | -                                                                          | -          | -                 | -              | -          | 0.213             |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |                                                                      |  |  |  |  |  |  |  |  | <b>Date:</b> February 2015                                                        |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5    |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5429 / ASW Support Equipment |  |  |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>SURFACE ASW SUPPORT<br>EQUIPMENT <sup>(2)</sup> |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number /<br>Title [DODIC] | ID<br>CD | MDAP/<br>MAIS<br>Code | Prior Years       |               |                         | FY 2014           |               |                         | FY 2015           |               |                         | FY 2016 Base      |               |                         | FY 2016 OCO       |               |                         | FY 2016 Total     |               |                         |
|--------------------------------|----------|-----------------------|-------------------|---------------|-------------------------|-------------------|---------------|-------------------------|-------------------|---------------|-------------------------|-------------------|---------------|-------------------------|-------------------|---------------|-------------------------|-------------------|---------------|-------------------------|
|                                |          |                       | Unit Cost<br>(\$) | Qty<br>(Each) | Total<br>Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total<br>Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total<br>Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total<br>Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total<br>Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total<br>Cost<br>(\$ M) |
| <b>Total</b>                   |          |                       | -                 | -             | 0.000                   | -                 | -             | -                       | -                 | -             | 3.683                   | -                 | -             | 3.709                   | -                 | -             | -                       | -                 | -             | 3.709                   |

**Footnotes:**

<sup>(2)</sup> The SURFACE ASW SUPPORT EQUIPMENT line item provides funding to procure Reliability, Maintainability and Availability (RM&A) and safety modifications through the Ordnance Alteration (ORDALT) process to Anti-Submarine Warfare (ASW) Fire Control, Surface Vessel Torpedo Tubes (SVTT), and related ASW Fire Control/SVTT support and test equipment to maintain the current envelope. Modification requirements arise as a result of evaluation, testing, and Fleet use of existing, new, or modified ASW weapons and/or related systems and subsystems. Included in this line item are all related procurements for training and simulation equipment required for the continued operation of this equipment. ORDALT procurements are highly variable and dependent on shipboard configurations and equipment age.

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy                             |       |                |                |            |                   |                                                               |            |                   |                |            |                   |                |            |                   | Date: February 2015                                        |            |                   |                |            |                   |
|---------------------------------------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|---------------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|------------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5                                |       |                |                |            |                   | P-1 Line Item Number / Title:<br>5429 / ASW Support Equipment |            |                   |                |            |                   |                |            |                   | Aggregated Items Title:<br>ASW Range Support Equipment (3) |            |                   |                |            |                   |
| Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.               |       |                |                |            |                   |                                                               |            |                   |                |            |                   |                |            |                   |                                                            |            |                   |                |            |                   |
| Item Number / Title [DODIC]                                                                             | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014                                                       |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO                                                |            |                   | FY 2016 Total  |            |                   |
|                                                                                                         |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                                | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                             | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) VC001 - Surface Ship Radiated Noise Measurement (SSRNM)/US Fleet Operational Readiness Acc           |       |                |                |            |                   |                                                               |            |                   |                |            |                   |                |            |                   |                                                            |            |                   |                |            |                   |
| 1.1) VC001 - SSRNM/US FORACS (S05)                                                                      | A     |                | -              | -          | -                 | -                                                             | -          | -                 | -              | -          | -                 | -              | -          | 4.142             | -                                                          | -          | -                 | -              | -          | 4.142             |
| Subtotal: 1) VC001 - Surface Ship Radiated Noise Measurement (SSRNM)/US Fleet Operational Readiness Acc |       |                | -              | -          | 0.000             | -                                                             | -          | -                 | -              | -          | -                 | -              | -          | 4.142             | -                                                          | -          | -                 | -              | -          | 4.142             |
| 2) VC002 - UNDERWATER TRACKING RANGE EQUIPMENT (UTRE) - N98                                             |       |                |                |            |                   |                                                               |            |                   |                |            |                   |                |            |                   |                                                            |            |                   |                |            |                   |
| 2.1) VC002 - UTRE (S05)                                                                                 | A     |                | -              | -          | -                 | -                                                             | -          | -                 | -              | -          | -                 | -              | -          | 3.487             | -                                                          | -          | -                 | -              | -          | 3.487             |
| Subtotal: 2) VC002 - UNDERWATER TRACKING RANGE EQUIPMENT (UTRE) - N98                                   |       |                | -              | -          | 0.000             | -                                                             | -          | -                 | -              | -          | -                 | -              | -          | 3.487             | -                                                          | -          | -                 | -              | -          | 3.487             |
| 3) VC003 - TOWED TARGETS                                                                                |       |                |                |            |                   |                                                               |            |                   |                |            |                   |                |            |                   |                                                            |            |                   |                |            |                   |
| 3.1) VC003 - TOWED TARGETS (SHIPS)                                                                      | A     |                | -              | -          | -                 | -                                                             | -          | -                 | -              | -          | -                 | -              | -          | 1.477             | -                                                          | -          | -                 | -              | -          | 1.477             |
| Subtotal: 3) VC003 - TOWED TARGETS                                                                      |       |                | -              | -          | 0.000             | -                                                             | -          | -                 | -              | -          | -                 | -              | -          | 1.477             | -                                                          | -          | -                 | -              | -          | 1.477             |
| 4) VC004 - INSTRUMENTATION                                                                              |       |                |                |            |                   |                                                               |            |                   |                |            |                   |                |            |                   |                                                            |            |                   |                |            |                   |
| 4.1) VC004 - INSTRUMENTATION (SHIPS)                                                                    | A     |                | -              | -          | -                 | -                                                             | -          | -                 | -              | -          | -                 | -              | -          | 0.243             | -                                                          | -          | -                 | -              | -          | 0.243             |
| Subtotal: 4) VC004 - INSTRUMENTATION                                                                    |       |                | -              | -          | 0.000             | -                                                             | -          | -                 | -              | -          | -                 | -              | -          | 0.243             | -                                                          | -          | -                 | -              | -          | 0.243             |
| 5) VC005 - HSMST (HIGH SPEED MANEUVERABLE SURFACE TARGET)                                               |       |                |                |            |                   |                                                               |            |                   |                |            |                   |                |            |                   |                                                            |            |                   |                |            |                   |
| 5.1) VC005 - HSMST (SHIPS) (3)(t)                                                                       | A     |                | -              | -          | -                 | -                                                             | -          | -                 | -              | -          | -                 | 189,898.31     | 59         | 11.204            | -                                                          | -          | -                 | 189,898.31     | 59         | 11.204            |
| Subtotal: 5) VC005 - HSMST (HIGH SPEED MANEUVERABLE SURFACE TARGET)                                     |       |                | -              | -          | 0.000             | -                                                             | -          | -                 | -              | -          | -                 | -              | -          | 11.204            | -                                                          | -          | -                 | -              | -          | 11.204            |
| 6) VC006 - SDST (Ship Deployable Surface Target)                                                        |       |                |                |            |                   |                                                               |            |                   |                |            |                   |                |            |                   |                                                            |            |                   |                |            |                   |
| 6.1) VC006 - SDST (Ship Deployable Surface Target) (SHIPS)                                              | A     |                | -              | -          | -                 | -                                                             | -          | -                 | -              | -          | -                 | -              | -          | 0.160             | -                                                          | -          | -                 | -              | -          | 0.160             |
| Subtotal: 6) VC006 - SDST (Ship Deployable Surface Target)                                              |       |                | -              | -          | 0.000             | -                                                             | -          | -                 | -              | -          | -                 | -              | -          | 0.160             | -                                                          | -          | -                 | -              | -          | 0.160             |
| 7) VC007 - FACT (Fast Attack Craft Target)                                                              |       |                |                |            |                   |                                                               |            |                   |                |            |                   |                |            |                   |                                                            |            |                   |                |            |                   |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                      |  |  |  |  |  |  | <b>Date:</b> February 2015                                        |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5429 / ASW Support Equipment |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>ASW Range Support Equipment (3) |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                                         | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|---------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                                     |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 7.1) VC007 - FACT (Fast Attack Craft Target) (SHIPS) <sup>(1)</sup> | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | 657,000.00     | 1          | 0.657             | -              | -          | -                 | 657,000.00     | 1          | 0.657             |
| <i>Subtotal: 7) VC007 - FACT (Fast Attack Craft Target)</i>         |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.657             | -              | -          | -                 | -              | -          | 0.657             |
| <b>8) VC831/2 - PRODUCTION ENGINEERING</b>                          |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 8.1) VC831 - PRODUCTION ENGINEERING UTRE-N98/US FORACS - N96 (S05)  | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.387             | -              | -          | -                 | -              | -          | 0.387             |
| 8.2) VC832 - PRODUCTION ENGINEERING (Ships)                         | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.650             | -              | -          | -                 | -              | -          | 0.650             |
| <i>Subtotal: 8) VC831/2 - PRODUCTION ENGINEERING</i>                |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | -                 | -              | -          | 1.037             | -              | -          | -                 | -              | -          | 1.037             |
| <b>9) VC851 - PRODUCT IMPROVEMENT</b>                               |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 9.1) VC851 - PRODUCT IMPROVEMENT UTRE-N98/US FORACS-N96 (S05)       | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.386             | -              | -          | -                 | -              | -          | 0.386             |
| <i>Subtotal: 9) VC851 - PRODUCT IMPROVEMENT</i>                     |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.386             | -              | -          | -                 | -              | -          | 0.386             |
| <b>10) VC970 - INTEGRATED LOGISTICS SUPPORT</b>                     |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 10.1) VC970 - INTEGRATED LOGISTICS SUPPORT (SHIPS)                  | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.202             | -              | -          | -                 | -              | -          | 0.202             |
| <i>Subtotal: 10) VC970 - INTEGRATED LOGISTICS SUPPORT</i>           |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | -                 | -              | -          | 0.202             | -              | -          | -                 | -              | -          | 0.202             |
| <b>Total</b>                                                        |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | -                 | -              | -          | 22.995            | -              | -          | -                 | -              | -          | 22.995            |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy |                                                               | Date: February 2015                                        |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5    | P-1 Line Item Number / Title:<br>5429 / ASW Support Equipment | Aggregated Items Title:<br>ASW Range Support Equipment (3) |

(t) indicates the presence of a P-5a

**Footnotes:**

(3) Increase in seaborne targets procurement quantities from FY15 to FY16 is required to support greatly increased numbers of surface-to-surface and air-to-surface weapon system test & evaluation and Fleet training exercises starting in FY16. High-demand targets including the High Speed Maneuverable Surface Target (HSMST) will reach critically low inventory levels in FY16 and must be replenished to continue exercises to ensure readiness of ships and aircraft.

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| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy             |         |      |                                                               |                                      |                 |               |                              | Date: February 2015                                  |                   |                        |                               |                      |
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| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5 |         |      | P-1 Line Item Number / Title:<br>5429 / ASW Support Equipment |                                      |                 |               |                              | Aggregated Items:<br>ASW Range Support Equipment (3) |                   |                        |                               |                      |
| Item Number / Title [DODIC]                                              | OC<br>O | FY   | Contractor and Location                                       | Method/Type<br>or<br>Funding Vehicle | Location of PCO | Award<br>Date | Date<br>of First<br>Delivery | Qty<br>(Each)                                        | Unit Cost<br>(\$) | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |
| 5) VC005 - HSMST (HIGH SPEED MANEUVERABLE SURFACE TARGET)                |         |      |                                                               |                                      |                 |               |                              |                                                      |                   |                        |                               |                      |
| 5.1) VC005 - HSMST (SHIPS) <sup>(3)</sup>                                |         | 2016 | TBD / TBD                                                     | C / FFP                              | NAVSEA          | Aug 2016      | Dec 2016                     | 59                                                   | 189,898.31        | N                      |                               | Jun 2016             |
| 7) VC007 - FACT (Fast Attack Craft Target)                               |         |      |                                                               |                                      |                 |               |                              |                                                      |                   |                        |                               |                      |
| 7.1) VC007 - FACT (Fast Attack<br>Craft Target) (SHIPS)                  |         | 2016 | TBD / TBD / UNKNOWN                                           | C / FFP                              | NAVSEA          | Aug 2016      | Dec 2016                     | 1                                                    | 657,000.00        | N                      |                               | Jun 2016             |



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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|-------------------------------------------|---------------------|--------------------|----------------------|--------------------------------------------------------------------------------|----------------------------------------|----------------|----------------------------|--------------------|---------------|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                |                                           |                     |                    |                      |                                                                                |                                        |                | <b>Date:</b> February 2015 |                    |               |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                |                                           |                     |                    |                      | <b>P-1 Line Item Number / Title:</b><br>5431 / Submarine ASW Support Equipment |                                        |                |                            |                    |               |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                | <b>Program Elements for Code B Items:</b> |                     |                    |                      |                                                                                | <b>Other Related Program Elements:</b> |                |                            |                    |               |
| <b>Resource Summary</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b>                            | <b>FY 2016 Base</b> | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b>                                                                 | <b>FY 2018</b>                         | <b>FY 2019</b> | <b>FY 2020</b>             | <b>To Complete</b> | <b>Total</b>  |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                              | -                                      | -              | -                          | -                  | -             |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 59.444             | 3.913          | -                                         | -                   | -                  | -                    | -                                                                              | -                                      | -              | -                          | -                  | 63.357        |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                              | -                                      | -              | -                          | -                  | -             |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 59.444             | 3.913          | -                                         | -                   | -                  | -                    | -                                                                              | -                                      | -              | -                          | -                  | 63.357        |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                              | -                                      | -              | -                          | -                  | -             |
| <b>Total Obligation Authority</b> <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>59.444</b>      | <b>3.913</b>   | -                                         | -                   | -                  | -                    | -                                                                              | -                                      | -              | -                          | -                  | <b>63.357</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                |                                           |                     |                    |                      |                                                                                |                                        |                |                            |                    |               |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                              | -                                      | -              | -                          | -                  | -             |
| Flyaway Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                              | -                                      | -              | -                          | -                  | -             |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                              | -                                      | -              | -                          | -                  | -             |
| <p><b>Description:</b></p> <p>This line item procures modifications and improvements to Attack and Ballistic Missile Submarine fire control interface systems, torpedo tube system components and torpedo tube test equipment. These requirements arise as a result of the introduction of new or modified weapons and sensors and their subsequent evaluation test and operational use. Also procured are reliability, maintainability, functional and safety modifications and tactical improvements resulting from operational use experience.</p> <p>[P40A / 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT]: 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT</p> <p>This line funds modifications and improvements in the following categories:</p> <p>The Submarine Torpedo Tube Support category funds in-service support and alteration procurements for all submarine torpedo tubes (TT), torpedo ejection pumps (TEP), internal countermeasure launchers (ICL), and weapons stowage and handling systems (WSHS). Development efforts under this item number include Engineering Change Proposals, ORDALTs, Type Zero (TZ) kits and Test Equipment and alteration material procurement to correct significant deficiencies in equipment affecting personnel safety, ship safety and system performance.</p> <p>[P40A / 6A830 - PRODUCTION ENGINEERING]: 6A830 - PRODUCTION ENGINEERING</p> <p>Production engineering includes resolving Liaison Action Requests (LARs) configure/test assembly in lab prior to ship installation and in-shop engineering support of vendor testing.</p> <p>[P3A / 6A5IN - O/A 18000 INSTALL]: 6A5IN - O/A 18000 INSTALL</p> <p>Installing agents will be various Naval Shipyards and contractors. All installations will be on SSBN and SSN 688/21 Class Submarines.</p> |                    |                |                                           |                     |                    |                      |                                                                                |                                        |                |                            |                    |               |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                 |                 |              |                                                  |                                                  |                                                                                |                                                  | <b>Date:</b> February 2015                       |                                                  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment                                                                                |                 |              |                                                  |                                                  | <b>P-1 Line Item Number / Title:</b><br>5431 / Submarine ASW Support Equipment |                                                  |                                                  |                                                  |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                         |                 |              | <b>Program Elements for Code B Items:</b>        |                                                  |                                                                                | <b>Other Related Program Elements:</b>           |                                                  |                                                  |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                          |                 |              | <b>Prior Years</b>                               | <b>FY 2014</b>                                   | <b>FY 2015</b>                                                                 | <b>FY 2016 Base</b>                              | <b>FY 2016 OCO</b>                               | <b>FY 2016 Total</b>                             |
| <b>Title*</b>                                                                                                                                                                                                                                     | <b>Exhibits</b> | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                               | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| SUB WEAPONS LAUNCHING/HANDLING SUPPORT EQUIPMENT                                                                                                                                                                                                  | P-40a, P-5a     |              | - / 27.504                                       | - / 2.533                                        | - / -                                                                          | - / -                                            | - / -                                            | - / -                                            |
| 1 / 6A5IN - O/A 18000 INSTALL ()                                                                                                                                                                                                                  | P-3a            |              | - / 31.940                                       | - / 1.380                                        | - / -                                                                          | - / -                                            | - / -                                            | - / -                                            |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                             |                 |              | <b>- / 59.444</b>                                | <b>- / 3.913</b>                                 | <b>- / -</b>                                                                   | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / -</b>                                     |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                          |                 |              | <b>FY 2017</b>                                   | <b>FY 2018</b>                                   | <b>FY 2019</b>                                                                 | <b>FY 2020</b>                                   | <b>To Complete</b>                               | <b>Total</b>                                     |
| <b>Title*</b>                                                                                                                                                                                                                                     | <b>Exhibits</b> | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                               | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| SUB WEAPONS LAUNCHING/HANDLING SUPPORT EQUIPMENT                                                                                                                                                                                                  | P-40a, P-5a     |              | - / -                                            | - / -                                            | - / -                                                                          | - / -                                            | - / -                                            | - / -                                            |
| 1 / 6A5IN - O/A 18000 INSTALL ()                                                                                                                                                                                                                  | P-3a            |              | - / -                                            | - / -                                            | - / -                                                                          | - / -                                            | - / -                                            | - / 33.320                                       |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                             |                 |              | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / -</b>                                                                   | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / 63.357</b>                                |
| *Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown. |                 |              |                                                  |                                                  |                                                                                |                                                  |                                                  |                                                  |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.                                                                                                                                                                    |                 |              |                                                  |                                                  |                                                                                |                                                  |                                                  |                                                  |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                                |  |  |  |  |  |  | <b>Date:</b> February 2015                                                             |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5431 / Submarine ASW Support Equipment |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>SUB WEAPONS LAUNCHING/<br>HANDLING SUPPORT EQUIPMENT |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                              | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|----------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                          |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) 2J COG MATERIAL                                     | A     |                | -              | -          | 2.613             | -              | -          | 0.193             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.2) TT/TEP/ICL/ WSHS                                    | A     |                | -              | -          | 11.660            | -              | -          | 1.534             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT |       |                | -              | -          | 14.273            | -              | -          | 1.727             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2) 6A002 - TEP ORDALTS/TRIDS                             |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) O/A MATERIAL 18009                                  | A     |                | -              | -          | 0.170             | -              | -          | 0.040             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2.2) TPES/ATP DYNAMIC SEAL UNITS <sup>(†)</sup>          | A     |                | 75,000.00      | 4          | 0.300             | 75,000.00      | 2          | 0.150             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 2) 6A002 - TEP ORDALTS/TRIDS                   |       |                | -              | -          | 0.470             | -              | -          | 0.190             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3) 6A002 - TEST EQUIPMENT                                |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 3.1) BORE GAGE                                           | A     |                | -              | -          | 2.091             | -              | -          | 0.105             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3.2) MISC. TEST EQUIPMENT                                | A     |                | -              | -          | 2.882             | -              | -          | 0.063             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3.3) TEST FACILITY EQUIPMENT                             | A     |                | -              | -          | 6.525             | -              | -          | 0.128             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 3) 6A002 - TEST EQUIPMENT                      |       |                | -              | -          | 11.498            | -              | -          | 0.296             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 4) 6A830 - PRODUCTION ENGINEERING                        |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 4.1) PRODUCTION ENGINEERING                              | A     |                | -              | -          | 1.263             | -              | -          | 0.320             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 4) 6A830 - PRODUCTION ENGINEERING              |       |                | -              | -          | 1.263             | -              | -          | 0.320             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Total                                                    |       |                | -              | -          | 27.504            | -              | -          | 2.533             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

| Item Number / Title [DODIC]                    | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) 2J COG MATERIAL                           | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.2) TT/TEP/ICL/ WSHS                          | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                                |  |  |  |  |  |  | <b>Date:</b> February 2015                                                             |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5431 / Submarine ASW Support Equipment |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>SUB WEAPONS LAUNCHING/<br>HANDLING SUPPORT EQUIPMENT |  |  |  |  |

| Item Number / Title [DODIC]                              | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|----------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                          |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| Subtotal: 1) 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2) 6A002 - TEP ORDALTS/TRIDS                             |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) O/A MATERIAL 18009                                  | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2.2) TPES/ATP DYNAMIC SEAL UNITS <sup>(†)</sup>          | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 2) 6A002 - TEP ORDALTS/TRIDS                   |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3) 6A002 - TEST EQUIPMENT                                |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 3.1) BORE GAGE                                           | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3.2) MISC. TEST EQUIPMENT                                | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3.3) TEST FACILITY EQUIPMENT                             | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 3) 6A002 - TEST EQUIPMENT                      |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 4) 6A830 - PRODUCTION ENGINEERING                        |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 4.1) PRODUCTION ENGINEERING                              | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 4) 6A830 - PRODUCTION ENGINEERING              |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Total                                                    |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

<sup>(†)</sup> indicates the presence of a P-5a

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| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy             |             |      |                         |                                                                         |                 |               |                              |               | Date: February 2015                                                       |                        |                               |                      |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5 |             |      |                         | P-1 Line Item Number / Title:<br>5431 / Submarine ASW Support Equipment |                 |               |                              |               | Aggregated Items:<br>SUB WEAPONS LAUNCHING/<br>HANDLING SUPPORT EQUIPMENT |                        |                               |                      |  |
| Item Number / Title [DODIC]                                              | O<br>C<br>O | FY   | Contractor and Location | Method/Type<br>or<br>Funding Vehicle                                    | Location of PCO | Award<br>Date | Date<br>of First<br>Delivery | Qty<br>(Each) | Unit Cost<br>(\$)                                                         | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |  |
| 2) 6A002 - TEP ORDALTS/TRIDS                                             |             |      |                         |                                                                         |                 |               |                              |               |                                                                           |                        |                               |                      |  |
| 2.2) TPES/ATP DYNAMIC SEAL<br>UNITS                                      |             | 2014 | Contractor TBD / TBD    | C / TBD                                                                 | ** NO PCO **    | Dec 2013      | May 2014                     | 2             | 75,000.00                                                                 | N                      |                               |                      |  |

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|----------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|-------------------------------------------------------------------------|-------------|---------------|---------|---------|---------------------------------------------------------------|---------|-------------|--------|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                                                                                    |             |         |         |                                                                         |             |               |         |         | Date: February 2015                                           |         |             |        |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5                                                               |             |         |         | P-1 Line Item Number / Title:<br>5431 / Submarine ASW Support Equipment |             |               |         |         | Modification Number / Title:<br>1 / 6A5IN - O/A 18000 INSTALL |         |             |        |
| Resource Summary                                                                                                                       | Prior Years | FY 2014 | FY 2015 | FY 2016 Base                                                            | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019                                                       | FY 2020 | To Complete | Total  |
| Procurement Quantity <i>(Units in Each)</i>                                                                                            | -           | -       | -       | -                                                                       | -           | -             | -       | -       | -                                                             | -       | -           | -      |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                       | 31.940      | 1.380   | -       | -                                                                       | -           | -             | -       | -       | -                                                             | -       | -           | 33.320 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                    | -           | -       | -       | -                                                                       | -           | -             | -       | -       | -                                                             | -       | -           | -      |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                           | 31.940      | 1.380   | -       | -                                                                       | -           | -             | -       | -       | -                                                             | -       | -           | 33.320 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                    | -           | -       | -       | -                                                                       | -           | -             | -       | -       | -                                                             | -       | -           | -      |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                     | 31.940      | 1.380   | -       | -                                                                       | -           | -             | -       | -       | -                                                             | -       | -           | 33.320 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) |             |         |         |                                                                         |             |               |         |         |                                                               |         |             |        |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                 | -           | -       | -       | -                                                                       | -           | -             | -       | -       | -                                                             | -       | -           | -      |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                   | -           | -       | -       | -                                                                       | -           | -             | -       | -       | -                                                             | -       | -           | -      |
| Description:<br>[O/A MATERIAL 18000] PROJECT UNIT: ORDALT 18000 SUBMARINE TORPEDO TUBE MUZZLE LINK FAILURE INDICATOR<br>IO=69          |             |         |         |                                                                         |             |               |         |         |                                                               |         |             |        |

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                |                                |                                |                                                                         |                                |                                |                                | Date: February 2015                                           |                                |                                |                                |                                |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5 |                                |                                |                                | P-1 Line Item Number / Title:<br>5431 / Submarine ASW Support Equipment |                                |                                |                                | Modification Number / Title:<br>1 / 6A5IN - O/A 18000 INSTALL |                                |                                |                                |                                |
| Models of Systems Affected:                                              |                                |                                | Modification Type:             |                                                                         |                                |                                |                                | Related RDT&E PEs:                                            |                                |                                |                                |                                |
| Financial Plan                                                           | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                                                            | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                                                       | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|                                                                          | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                          | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Procurement                                                              |                                |                                |                                |                                                                         |                                |                                |                                |                                                               |                                |                                |                                |                                |
| Modification Item 1 of 1: 6A5IN - O/A 18000 INSTALL                      |                                |                                |                                |                                                                         |                                |                                |                                |                                                               |                                |                                |                                |                                |
| B Kits                                                                   |                                |                                |                                |                                                                         |                                |                                |                                |                                                               |                                |                                |                                |                                |
| Recurring                                                                |                                |                                |                                |                                                                         |                                |                                |                                |                                                               |                                |                                |                                |                                |
| 1.1.1) O/A MATERIAL 18000 - NonOrganic                                   | 19 / 0.949                     | 5 / 0.250                      | - / -                          | - / -                                                                   | - / -                          | - / -                          | - / -                          | - / -                                                         | - / -                          | - / -                          | - / -                          | 24 / 1.199                     |
| Subtotal: Recurring                                                      | - / 0.949                      | - / 0.250                      | - / -                          | - / -                                                                   | - / -                          | - / -                          | - / -                          | - / -                                                         | - / -                          | - / -                          | - / -                          | - / 1.199                      |
| Subtotal: 6A5IN - O/A 18000 INSTALL                                      | 19 / 0.949                     | 5 / 0.250                      | - / -                          | - / -                                                                   | - / -                          | - / -                          | - / -                          | - / -                                                         | - / -                          | - / -                          | - / -                          | 24 / 1.199                     |
| Subtotal: Procurement, All Modification Items                            | - / 0.949                      | - / 0.250                      | - / -                          | - / -                                                                   | - / -                          | - / -                          | - / -                          | - / -                                                         | - / -                          | - / -                          | - / -                          | - / 1.199                      |
| Installation                                                             |                                |                                |                                |                                                                         |                                |                                |                                |                                                               |                                |                                |                                |                                |
| Modification Item 1 of 1: 6A5IN - O/A 18000 INSTALL                      | - / 30.991                     | - / 1.130                      | - / -                          | - / -                                                                   | - / -                          | - / -                          | - / -                          | - / -                                                         | - / -                          | - / -                          | - / -                          | - / 32.121                     |
| Subtotal: Installation                                                   | - / 30.991                     | - / 1.130                      | - / -                          | - / -                                                                   | - / -                          | - / -                          | - / -                          | - / -                                                         | - / -                          | - / -                          | - / -                          | - / 32.121                     |
| Total                                                                    |                                |                                |                                |                                                                         |                                |                                |                                |                                                               |                                |                                |                                |                                |
| Total Cost (Procurement + Support + Installation)                        | 31.940                         | 1.380                          | -                              | -                                                                       | -                              | -                              | -                              | -                                                             | -                              | -                              | -                              | 33.320                         |

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|---------------------------------------------------------------------------------|------------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------------------------------------------------------|-----------|--------------------------------|-----------|--------------------------------|--------------------------------------|--------------------------------|-----------|--------------------------------|-----------|----------------------------------------------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|----------------|-----------|-----------|-----------|-----------|------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |            |                                |           |                                |           |                                |           |                                |           | <b>Date:</b> February 2015                                                     |           |                                |           |                                |                                      |                                |           |                                |           |                                                                      |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5 |            |                                |           |                                |           |                                |           |                                |           | <b>P-1 Line Item Number / Title:</b><br>5431 / Submarine ASW Support Equipment |           |                                |           |                                |                                      |                                |           |                                |           | <b>Modification Number / Title:</b><br>1 / 6A5IN - O/A 18000 INSTALL |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Modification Item 1 of 1:</b> 6A5IN - O/A 18000 INSTALL                      |            |                                |           |                                |           |                                |           |                                |           |                                                                                |           |                                |           |                                |                                      |                                |           |                                |           |                                                                      |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Manufacturer Information</b>                                                 |            |                                |           |                                |           |                                |           |                                |           |                                                                                |           |                                |           |                                |                                      |                                |           |                                |           |                                                                      |           |                                |           |                                |           |                |           |           |           |           |            |
| Manufacturer Name: EPSILON SYSTEMS                                              |            |                                |           |                                |           |                                |           |                                |           |                                                                                |           |                                |           |                                | Manufacturer Location: San Diego, CA |                                |           |                                |           |                                                                      |           |                                |           |                                |           |                |           |           |           |           |            |
| Administrative Leadtime (in Months): 0                                          |            |                                |           |                                |           |                                |           |                                |           |                                                                                |           |                                |           |                                | Production Leadtime (in Months): 2   |                                |           |                                |           |                                                                      |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Dates</b>                                                                    |            | <b>FY 2014</b>                 |           |                                |           | <b>FY 2015</b>                 |           |                                |           | <b>FY 2016</b>                                                                 |           |                                |           | <b>FY 2017</b>                 |                                      |                                |           | <b>FY 2018</b>                 |           |                                                                      |           | <b>FY 2019</b>                 |           |                                |           | <b>FY 2020</b> |           |           |           |           |            |
| Contract Dates                                                                  |            | Jun 2014                       |           |                                |           |                                |           |                                |           |                                                                                |           |                                |           |                                |                                      |                                |           |                                |           |                                                                      |           |                                |           |                                |           |                |           |           |           |           |            |
| Delivery Dates                                                                  |            | Aug 2014                       |           |                                |           |                                |           |                                |           |                                                                                |           |                                |           |                                |                                      |                                |           |                                |           |                                                                      |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Installation Information</b>                                                 |            |                                |           |                                |           |                                |           |                                |           |                                                                                |           |                                |           |                                |                                      |                                |           |                                |           |                                                                      |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Method of Implementation:</b> AIT:: Installation Name: O/A MATERIAL 18000    |            |                                |           |                                |           |                                |           |                                |           |                                                                                |           |                                |           |                                |                                      |                                |           |                                |           |                                                                      |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Installation Cost</b>                                                        |            | <b>Prior Years</b>             |           | <b>FY 2014</b>                 |           | <b>FY 2015</b>                 |           | <b>FY 2016 Base</b>            |           | <b>FY 2016 OCO</b>                                                             |           | <b>FY 2016 Total</b>           |           | <b>FY 2017</b>                 |                                      | <b>FY 2018</b>                 |           | <b>FY 2019</b>                 |           | <b>FY 2020</b>                                                       |           | <b>To Complete</b>             |           | <b>Total</b>                   |           |                |           |           |           |           |            |
|                                                                                 |            | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M)                                                 |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |                                      | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M)                                       |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           |                |           |           |           |           |            |
| Prior Years                                                                     |            | 19 / 30.991                    |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                          |           | - / -                          |           | - / -                          |                                      | - / -                          |           | - / -                          |           | - / -                                                                |           | - / -                          |           | - / -                          |           | 19 / 30.991    |           |           |           |           |            |
| FY 2014                                                                         |            | - / -                          |           | 5 / 1.130                      |           | - / -                          |           | - / -                          |           | - / -                                                                          |           | - / -                          |           | - / -                          |                                      | - / -                          |           | - / -                          |           | - / -                                                                |           | - / -                          |           | - / -                          |           | 5 / 1.130      |           |           |           |           |            |
| FY 2015                                                                         |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                          |           | - / -                          |           | - / -                          |                                      | - / -                          |           | - / -                          |           | - / -                                                                |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2016                                                                         |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                          |           | - / -                          |           | - / -                          |                                      | - / -                          |           | - / -                          |           | - / -                                                                |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2017                                                                         |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                          |           | - / -                          |           | - / -                          |                                      | - / -                          |           | - / -                          |           | - / -                                                                |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2018                                                                         |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                          |           | - / -                          |           | - / -                          |                                      | - / -                          |           | - / -                          |           | - / -                                                                |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2019                                                                         |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                          |           | - / -                          |           | - / -                          |                                      | - / -                          |           | - / -                          |           | - / -                                                                |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2020                                                                         |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                          |           | - / -                          |           | - / -                          |                                      | - / -                          |           | - / -                          |           | - / -                                                                |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| To Complete                                                                     |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                          |           | - / -                          |           | - / -                          |                                      | - / -                          |           | - / -                          |           | - / -                                                                |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| Total                                                                           |            | 19 / 30.991                    |           | 5 / 1.130                      |           | - / -                          |           | - / -                          |           | - / -                                                                          |           | - / -                          |           | - / -                          |                                      | - / -                          |           | - / -                          |           | - / -                                                                |           | - / -                          |           | - / -                          |           | 24 / 32.121    |           |           |           |           |            |
| <b>Installation Schedule</b>                                                    |            |                                |           |                                |           |                                |           |                                |           |                                                                                |           |                                |           |                                |                                      |                                |           |                                |           |                                                                      |           |                                |           |                                |           |                |           |           |           |           |            |
|                                                                                 | <b>PYS</b> | <b>FY 2014</b>                 |           |                                |           | <b>FY 2015</b>                 |           |                                |           | <b>FY 2016</b>                                                                 |           |                                |           | <b>FY 2017</b>                 |                                      |                                |           | <b>FY 2018</b>                 |           |                                                                      |           | <b>FY 2019</b>                 |           |                                |           | <b>FY 2020</b> |           |           |           | <b>TC</b> | <b>Tot</b> |
|                                                                                 |            | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                                                                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b>                            | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                                                            | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> |           |            |
| In                                                                              | 19         | 1                              | 2         | 2                              | -         | -                              | -         | -                              | -         | -                                                                              | -         | -                              | -         | -                              | -                                    | -                              | -         | -                              | -         | -                                                                    | -         | -                              | -         | -                              | -         | -              | -         | -         | -         | -         | 24         |
| Out                                                                             | 19         | 1                              | 2         | 2                              | -         | -                              | -         | -                              | -         | -                                                                              | -         | -                              | -         | -                              | -                                    | -                              | -         | -                              | -         | -                                                                    | -         | -                              | -         | -                              | -         | -              | -         | -         | -         | -         | 24         |



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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|-------------------------------------------|---------------------|--------------------|----------------------|------------------------------------------------------------------------------|----------------------------------------|----------------------------|----------------|--------------------|----------------|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |                |                                           |                     |                    |                      |                                                                              |                                        | <b>Date:</b> February 2015 |                |                    |                |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |                |                                           |                     |                    |                      | <b>P-1 Line Item Number / Title:</b><br>5449 / Surface ASW Support Equipment |                                        |                            |                |                    |                |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |                | <b>Program Elements for Code B Items:</b> |                     |                    |                      |                                                                              | <b>Other Related Program Elements:</b> |                            |                |                    |                |
| <b>Resource Summary</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b>                            | <b>FY 2016 Base</b> | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b>                                                               | <b>FY 2018</b>                         | <b>FY 2019</b>             | <b>FY 2020</b> | <b>To Complete</b> | <b>Total</b>   |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                            | -                                      | -                          | -              | -                  | -              |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 134.003            | 3.909          | -                                         | -                   | -                  | -                    | -                                                                            | -                                      | -                          | -              | -                  | 137.912        |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                            | -                                      | -                          | -              | -                  | -              |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 134.003            | 3.909          | -                                         | -                   | -                  | -                    | -                                                                            | -                                      | -                          | -              | -                  | 137.912        |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                            | -                                      | -                          | -              | -                  | -              |
| <b>Total Obligation Authority</b> <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>134.003</b>     | <b>3.909</b>   | -                                         | -                   | -                  | -                    | -                                                                            | -                                      | -                          | -              | -                  | <b>137.912</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                |                                           |                     |                    |                      |                                                                              |                                        |                            |                |                    |                |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                            | -                                      | -                          | -              | -                  | -              |
| Flyaway Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                            | -                                      | -                          | -              | -                  | -              |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                            | -                                      | -                          | -              | -                  | -              |
| <p><b>Description:</b></p> <p>NOTE: Starting with FY 2015, all Surface ASW Support Equipment OPN BLI 5449 funding was moved under ASW Support Equipment OPN BLI 5429 for budget consolidation purposes.</p> <p>This line item provides funding to procure Reliability, Maintainability and Availability (RM&amp;A) and safety modifications through the Ordnance Alteration (ORDALT) process to Anti-Submarine Warfare (ASW) Fire Control, Surface Vessel Torpedo Tubes (SVTT), and related ASW Fire Control/SVTT support and test equipment to maintain the current envelope. Modification requirements arise as a result of evaluation, testing, and Fleet use of existing, new, or modified ASW weapons and/or related systems and subsystems. Included in this line item are all related procurements for training and simulation equipment required for the continued operation of this equipment. ORDALT procurements are highly variable and dependent on shipboard configurations and equipment age.</p> <p>This line item also provides funding for Surface Ship Undersea Warfare (USW) Fire Control System (FCS) modification efforts to continue the required operation/performance of ASW helicopter (helo operations), Vertical Launch (VLA) Anti-Submarine Rocket (ASROC), and Over-The-Side (OTS) capabilities due to the implementation of the MK54 Lightweight Torpedo (LHT) and Digital Fire Control Interface (DFCI).</p> <p>[P40A / 6B001 - ASWCS FIRE CONTROL ORDALTS, MK54 SURFACE SHIP USW FCS MODS]: 6B001 Cost Elements/Descriptions as follows:</p> <p>ASWCS - UFCS/Control Panel ORDALTS: Provides funding for ORDALT kits for the ASW Underwater Fire Control System (UFCS) and Control Panel (MK309), ASW Control System (ASWCS) MK116 Mod 7, Torpedo Setting Panel (MK331), and the Torpedo Pre-Setter Test Set (MK432). ORDALT procurements include a MK432 Mod 6 test set which provides for the addition of wide angle display, cable terminations and tech refresh of obsolete motherboard parts. Also provides material support at multiple land-based laboratories as well as material support for upgrades and calibrations. Procurements will ensure laboratories are at Fleet baseline configurations.</p> <p>ASWCS - Production Engineering Support: Provides the necessary production engineering support funds to cover the associated Integrated Logistics Support (ILS) elements, Engineering Change Proposal (ECP) reviews, Engineering Changes (EC), Ship Change Documents (SCDs), and engineering audits for ASW Fire Control. Reviews and approves internal and external system interfaces (hardware and integration related) and identify interface issues.</p> <p>ASWCS - Acceptance Test &amp; Evaluation: Provides the in-house acceptance test and evaluation funding associated with the safety and quality assurance testing of all ASW Fire Control, Alteration Equivalent to Repairs (AERs), ECPs, ECs, and SCDs.</p> |                    |                |                                           |                     |                    |                      |                                                                              |                                        |                            |                |                    |                |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    | Date: February 2015                                                   |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    | P-1 Line Item Number / Title:<br>5449 / Surface ASW Support Equipment |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Program Elements for Code B Items: | Other Related Program Elements:                                       |
| MK54 - Surface Ship USW Fire Control System Mods: Funds Surface Ship Undersea Warfare (USW) Fire Control System (FCS) modification efforts to continue the required operation/performance of ASW helicopter (helo ops), Vertical Launch (VLA) Anti-Submarine Rocket (ASROC), and Over-The-Side (OTS) capabilities due to the implementation of the MK54 Lightweight Torpedo (LHT) and Digital Fire Control Interface (DFCI). Efforts include associated Non Recurring Engineering (NRE), procurement, and installation of the following: 1) MK54 magazine Stowage & Handling (S&H) modifications to enable select surface ship combatants to stow/carry the MK54 and fully support ASW helo operations; 2) Modification of AEGIS Weapons System (AWS) Commercial-Off-The-Shelf Refresh 3 (CR3) Command & Decision (C&D) software on select surface ship combatants so they can identify, preset, and launch the MK54 torpedo in its VLA configuration; 3) Modification of AN/SQQ-89A(V)15 USW Combat System software for select surface ship combatants so they can identify, preset, and launch the MK54 torpedo in its VLA configuration; 4) Upgrade of MK116 MOD 7 Build 12B FCS software for select surface ship combatants so they can identify, preset, and launch the MK54 torpedo in its OTS and VLA configuration; 5) Upgrade of the SVTT MK32 hardware for select surface ship combatants so they can launch the MK54 torpedo in its OTS configuration. Additionally, efforts are required to produce the associated Ship Control Document (SCD) and conduct the necessary system and integration tests and safety analyses to ensure the item meets MIL-STD-882 safety requirements. |                                    |                                                                       |
| [P40A / 6B004 - TORPEDO TUBE ORDALTS]: 6B004 Cost Elements/Descriptions as follows:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                    |                                                                       |
| SVTT - MK32 ORDALTS: The SVTT MK32 is an over-the-side torpedo defense surface ship launched system that conducts close-in ASW operations. This line provides funding for SVTT MK32 launchers, Torpedo Loading Trays (TLTs), and ancillary equipment for testing, training, and maintainability on select surface ship combatants. ORDALT procurements include: Emergency Fire Circuit and Mount to Magazine Door Interoperability Circuit Improvements (SVTT MK32 Mod 19 only - ORDALT 76463); Overheat Sensor Test Set (SVTT MK32 Mod 15 Only - ORDALT 412-01-019); Locking Handle Securing Device (SVTT MK32 All Mods - ORDALT 412-01-031); Pressure Switch Assembly Replacement (SVTT MK32 All Mods - ORDALT 73191); Torpedo MK54 SVTT Upgrades for select CGs not scheduled for early decommissioning (SVTT MK32 Mods 14 Only - ORDALT 76008; Funding ended in FY13); Safe/Ready Lever Modification (SVTT MK32 Mod 15 Only - ORDALT 73440); Breech Mechanism Control Valve Redesign (SVTT MK32 All Mods - ORDALT TBD); Securing Mechanism Shoulder Bolt Retention (SVTT MK32 All Mods - ORDALT 412-04-025); Over-Heat Sensor Assembly Modification (SVTT MK32 Mod 15 Only - ORDALT 412-05-015); Training Gear Handcrank Support Improvements (SVTT MK32 Mods 15 Only - ORDALT TBD) and Air Charging Panel Regulator Improvements (SVTT MK32 MOD 15 Only - ORDALT TBD). Procure SVTT shoresite laboratory equipment for Launcher System Facilities (LSF). LSFs are used to simulate shipboard conditions for over-the-side torpedo launchers, as well as for the creation of the required ORDALTS.                                                                                          |                                    |                                                                       |
| SVTT - Production Engineering: Provides the necessary production engineering support funds to cover the associated Integrated Logistics Support (ILS) elements, Engineering Change Proposal (ECP) reviews, Engineering Changes (EC), SCDs, and engineering audits for SVTT ORDALTS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                    |                                                                       |
| SVTT - Acceptance Test & Evaluation: Provides the in-house acceptance test and evaluation funding required for the safety and quality assurance testing of all SVTT ORDALTs, Alteration Equivalent to Repairs (AERs), ECPs, ECs, and SCDs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                                                                       |
| [P40A / 6B900 - CONSULTING SERVICES]: 6B900 Cost Element/Description as Follows:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                                                                       |
| Provides the necessary funding for consulting services required to support scheduling of ASW Fire Control and SVTT ORDALT production, test, and installation efforts in conjunction with operation, safety, and environmental requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    |                                                                       |
| [P40A / 6B6IN - INSTALLATION OF EQUIPMENT - N96]: 6B6IN Cost Element/Description as follows:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                                                                       |
| Funds the installation of all ASW Fire Control (under Cost Code 6B001) and SVTT (under Cost Code 6B004) ORDALTs/SCDs. ORDALT/SCD Alteration Installation Team (AIT) pier-side installations are variable and contingent on Type Commander (TYCOM), Ships' Scheduling Conference (SSC), and ships' availability. Cost Code 6B6IN also funds the installation of MK54 Surface Ship USW FCS modifications (under Cost Code 6B001) to continue the required operation/performance of ASW helicopter (helo operations), VLA, and OTS capabilities due to the implementation of the MK54.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                    |                                                                       |

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                              |                 |              |                                                  |                                                                              |                                                  | <b>Date:</b> February 2015                       |                                                  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5:<br>ASW Support Equipment                                                                                                                                                                          |                 |              |                                                  | <b>P-1 Line Item Number / Title:</b><br>5449 / Surface ASW Support Equipment |                                                  |                                                  |                                                  |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                      |                 |              | <b>Program Elements for Code B Items:</b>        |                                                                              |                                                  | <b>Other Related Program Elements:</b>           |                                                  |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                                                                                                                       |                 |              | <b>Prior Years</b>                               | <b>FY 2014</b>                                                               | <b>FY 2015</b>                                   | <b>FY 2016 Base</b>                              | <b>FY 2016 OCO</b>                               |
| <b>Title*</b>                                                                                                                                                                                                                                                                                                                                  | <b>Exhibits</b> | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                             | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| Surface ASW Support Equipment                                                                                                                                                                                                                                                                                                                  | P-40a           |              | - / 134.003                                      | - / 3.909                                                                    | - / -                                            | - / -                                            | - / -                                            |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                                                                                                                          |                 |              | - / 134.003                                      | - / 3.909                                                                    | - / -                                            | - / -                                            | - / -                                            |
| <p>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</p> |                 |              |                                                  |                                                                              |                                                  |                                                  |                                                  |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy               |       |                |                |            |                   |                                                                       |            |                   |                |            |                   |                |            | Date: February 2015                                      |                |            |                   |                |            |                   |
|-------------------------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|-----------------------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|----------------------------------------------------------|----------------|------------|-------------------|----------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5                  |       |                |                |            |                   | P-1 Line Item Number / Title:<br>5449 / Surface ASW Support Equipment |            |                   |                |            |                   |                |            | Aggregated Items Title:<br>Surface ASW Support Equipment |                |            |                   |                |            |                   |
| Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding. |       |                |                |            |                   |                                                                       |            |                   |                |            |                   |                |            |                                                          |                |            |                   |                |            |                   |
| Item Number / Title [DODIC]                                                               | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014                                                               |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                                                          | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|                                                                                           |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                                        | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M)                                        | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) 6B001 - ASWCS FIRE CONTROL ORDALTS, MK54 SURFACE SHIP USW FCS MODS                     |       |                |                |            |                   |                                                                       |            |                   |                |            |                   |                |            |                                                          |                |            |                   |                |            |                   |
| 1.1) ASWCS - UCFS/CONTROL PANEL ORDALTS                                                   |       |                | -              | -          | 45.822            | -                                                                     | -          | 1.155             | -              | -          | -                 | -              | -          | -                                                        | -              | -          | -                 | -              | -          | -                 |
| 1.2) ASWCS - PRODUCTION ENGINEERING SUPPORT                                               |       |                | -              | -          | 3.613             | -                                                                     | -          | 0.131             | -              | -          | -                 | -              | -          | -                                                        | -              | -          | -                 | -              | -          | -                 |
| 1.3) ASWCS - ACCEPTANCE TEST & EVALUATION                                                 |       |                | -              | -          | 2.607             | -                                                                     | -          | 0.101             | -              | -          | -                 | -              | -          | -                                                        | -              | -          | -                 | -              | -          | -                 |
| 1.4) MK54 - S&H UPGRADES (NRE)                                                            |       |                | -              | -          | 0.312             | -                                                                     | -          | -                 | -              | -          | -                 | -              | -          | -                                                        | -              | -          | -                 | -              | -          | -                 |
| 1.5) MK54 - AEGIS CR3 UPGRADE (NRE)                                                       |       |                | -              | -          | 3.800             | -                                                                     | -          | -                 | -              | -          | -                 | -              | -          | -                                                        | -              | -          | -                 | -              | -          | -                 |
| 1.6) MK54 - SQQ-89A(V)15 UPGRADE (NRE)                                                    |       |                | -              | -          | 5.607             | -                                                                     | -          | 0.520             | -              | -          | -                 | -              | -          | -                                                        | -              | -          | -                 | -              | -          | -                 |
| 1.7) MK54 - MK116 MOD 7 UPGRADE (NRE)                                                     |       |                | -              | -          | 2.200             | -                                                                     | -          | -                 | -              | -          | -                 | -              | -          | -                                                        | -              | -          | -                 | -              | -          | -                 |
| 1.8) MK54 - MK116 MOD 7 UPGRADE                                                           |       |                | -              | -          | 1.418             | -                                                                     | -          | -                 | -              | -          | -                 | -              | -          | -                                                        | -              | -          | -                 | -              | -          | -                 |
| 1.9) MK54 - SVTT UPGRADE                                                                  |       |                | -              | -          | 1.542             | -                                                                     | -          | 0.524             | -              | -          | -                 | -              | -          | -                                                        | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 1) 6B001 - ASWCS FIRE CONTROL ORDALTS, MK54 SURFACE SHIP USW FCS MODS           |       |                | -              | -          | 66.921            | -                                                                     | -          | 2.431             | -              | -          | -                 | -              | -          | -                                                        | -              | -          | -                 | -              | -          | -                 |
| 2) 6B004 - TORPEDO TUBE ORDALTS                                                           |       |                |                |            |                   |                                                                       |            |                   |                |            |                   |                |            |                                                          |                |            |                   |                |            |                   |
| 2.1) SVTT - MK32 ORDALTS                                                                  |       |                | -              | -          | 46.073            | -                                                                     | -          | 0.823             | -              | -          | -                 | -              | -          | -                                                        | -              | -          | -                 | -              | -          | -                 |
| 2.2) SVTT - PRODUCTION ENGINEERING SUPPORT                                                |       |                | -              | -          | 3.551             | -                                                                     | -          | 0.131             | -              | -          | -                 | -              | -          | -                                                        | -              | -          | -                 | -              | -          | -                 |
| 2.3) SVTT - ACCEPTANCE TEST & EVALUATION                                                  |       |                | -              | -          | 2.577             | -                                                                     | -          | 0.101             | -              | -          | -                 | -              | -          | -                                                        | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 2) 6B004 - TORPEDO TUBE ORDALTS                                                 |       |                | -              | -          | 52.201            | -                                                                     | -          | 1.055             | -              | -          | -                 | -              | -          | -                                                        | -              | -          | -                 | -              | -          | -                 |
| 3) 6B900 - CONSULTING SERVICES                                                            |       |                |                |            |                   |                                                                       |            |                   |                |            |                   |                |            |                                                          |                |            |                   |                |            |                   |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                              |  |  |  |  |  |  | <b>Date:</b> February 2015                                      |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5449 / Surface ASW Support Equipment |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Surface ASW Support Equipment |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                          | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                      |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 3.1) CONSULTING SERVICES                             |       |                | -              | -          | 6.574             | -              | -          | 0.098             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 3) 6B900 - CONSULTING SERVICES             |       |                | -              | -          | 6.574             | -              | -          | 0.098             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 4) 6B6IN - INSTALLATION OF EQUIPMENT - N96           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 4.1) ASWCS - FIRE CONTROL ORDALTS                    |       |                | -              | -          | 2.230             | -              | -          | 0.105             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 4.2) MK54 - SURFACE SHIP USW FCS UPGRADES            |       |                | -              | -          | 3.897             | -              | -          | 0.124             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 4.3) SVTT - TORPEDO TUBE ORDALTS                     |       |                | -              | -          | 2.180             | -              | -          | 0.096             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: 4) 6B6IN - INSTALLATION OF EQUIPMENT - N96 |       |                | -              | -          | 8.307             | -              | -          | 0.325             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Total                                                |       |                | -              | -          | 134.003           | -              | -          | 3.909             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |         |                                    |              |             |                                                                     |         | Date: February 2015             |         |         |             |         |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |         |                                    |              |             | P-1 Line Item Number / Title:<br>5455 / ASW Range Support Equipment |         |                                 |         |         |             |         |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |         | Program Elements for Code B Items: |              |             |                                                                     |         | Other Related Program Elements: |         |         |             |         |
| Resource Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Prior Years | FY 2014 | FY 2015                            | FY 2016 Base | FY 2016 OCO | FY 2016 Total                                                       | FY 2017 | FY 2018                         | FY 2019 | FY 2020 | To Complete | Total   |
| Procurement Quantity (Units in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -           | -       | -                                  | -            | -           | -                                                                   | -       | -                               | -       | -       | -           | -       |
| Gross/Weapon System Cost (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 102.618     | 28.694  | -                                  | -            | -           | -                                                                   | -       | -                               | -       | -       | -           | 131.312 |
| Less PY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -           | -       | -                                  | -            | -           | -                                                                   | -       | -                               | -       | -       | -           | -       |
| Net Procurement (P1) (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 102.618     | 28.694  | -                                  | -            | -           | -                                                                   | -       | -                               | -       | -       | -           | 131.312 |
| Plus CY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -           | -       | -                                  | -            | -           | -                                                                   | -       | -                               | -       | -       | -           | -       |
| Total Obligation Authority (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 102.618     | 28.694  | -                                  | -            | -           | -                                                                   | -       | -                               | -       | -       | -           | 131.312 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |         |                                    |              |             |                                                                     |         |                                 |         |         |             |         |
| Initial Spares (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -           | -       | -                                  | -            | -           | -                                                                   | -       | -                               | -       | -       | -           | -       |
| Flyaway Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -           | -       | -                                  | -            | -           | -                                                                   | -       | -                               | -       | -       | -           | -       |
| Gross/Weapon System Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -           | -       | -                                  | -            | -           | -                                                                   | -       | -                               | -       | -       | -           | -       |
| Description:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |         |                                    |              |             |                                                                     |         |                                 |         |         |             |         |
| ANTI-SUBMARINE WARFARE (ASW) RANGE EQUIPMENT:<br>Funding provides for the procurement of training range and shore equipment, Test and Evaluation (T&E), acoustic trial range equipment, and weapon system and test equipment. Equipment procured includes instrumentation for US Fleet Operational Readiness Accuracy Check Sites (FORACS) Program, equipment required to conduct fleet exercises at Navy ASW Training ranges for the Underwater Tracking Range Equipment (UTRE)/Pinger Program, Surface Ship Combat Ship Qualification Trial (CSSQT), and equipment for the Surface Ship Radiated Noise Measurement (SSRNM) Program. Training and T&E ranges include: Southern California Offshore Range (SCORE), Barking Sands Tactical Underwater Range/Barking Sands Underwater Range Extension (BARSTUR/BSURE), Atlantic Underwater Test and Evaluation Center (AUTEC), Nanoose and Dabob Bay. FORACS ranges include Andros Island and Southern California.                                                                                                                   |             |         |                                    |              |             |                                                                     |         |                                 |         |         |             |         |
| Funding re-allocates and moves from BLI 5455 to ASW Support Equipment OPN BLI 5429 starting in FY15 for line item consolidation purposes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |         |                                    |              |             |                                                                     |         |                                 |         |         |             |         |
| [P40A / 6C001 - Surface Ship Radiated Noise Measurement (SSRNM)/US Fleet Operational Readiness Accuracy Check Sites (FORACS) - N96]: Funding provides for the procurement of range communication systems, ship auto-tracking system, Surface Ship Acoustic Range Equipment, and upgraded ship position tracking system for the Surface Ship Radiated Noise Measurement (SSRNM) and US Fleet Operational Readiness Accuracy Check Sites (FORACS) programs. Funding also provides for improvements, modernizations, and upgrades to systems and equipment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |         |                                    |              |             |                                                                     |         |                                 |         |         |             |         |
| [P40A / 6C002 - UNDERWATER TRACKING RANGE EQUIPMENT (UTRE) - N98]: Funding provides for the procurement of shipboard underwater tracking equipment for existing ranges on both coasts and in Hawaii, shop special purpose Pinger test equipment, and the associated cables/mounting hardware required to track ships and submarines conducting Fleet exercises at the Navy training ranges for the Underwater Tracking Range Equipment (UTRE)/Pinger Program. Funding provides all of the Navy Underwater Ranges with tracking equipment because the equipment must be compatible with underwater vehicles (i.e. ships, submarines, torpedoes, mines and sonars). Funding also provides for improvements, modernizations, and upgrades to systems and equipment. Funding plus-up starting in FY14 is for an obsolescence driven upgrade to the submarine Underwater Tracking System (UTS). Funding will provide for procurement of underwater tracking equipment for submarines operating on Undersea Ranges including 65 UTS shipboard units, TEMPALT modifications and training. |             |         |                                    |              |             |                                                                     |         |                                 |         |         |             |         |
| [P40A / 6C003 - TOWED TARGETS]: The Fleet requires low cost expendable towed targets for weapon system T&E and Fleet training. The Low Cost Modular Target (LCMT) is the primary towed target used to meet these requirements in future years. Increased funding in FY13 and following years is to support Fast Attack Craft-Fast Inshore Attack Craft (FAC-FIAC) training for the Fleet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |         |                                    |              |             |                                                                     |         |                                 |         |         |             |         |
| [P40A / 6C004 - INSTRUMENTATION]: Seaborne target augmentation systems include transponders (i.e. transmitters/receivers), radar reflectors, radio frequency (RF) emitters and ground support equipment (GSE). Various electronic components provide the interface for the target control systems with the control stations/facilities for drone operations. RF emitters and radar reflectors enhance target threat replication                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |         |                                    |              |             |                                                                     |         |                                 |         |         |             |         |

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           | <b>Date:</b> February 2015                                                 |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           | <b>P-1 Line Item Number / Title:</b><br>5455 / ASW Range Support Equipment |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Program Elements for Code B Items:</b> | <b>Other Related Program Elements:</b>                                     |
| <p>and provide the required stimulus for anti-surface/radar weapons systems. FY13 reflects one time procurement of Multiple Integrated Laser Engagement System (MILES) gear which will be used on-board HSMSTs and other seaborne targets for counter-swarm training.</p> <p>[P40A / 6C005 - HSMST (HIGH SPEED MANEUVERABLE SEABORNE TARGET)]: Provides the user with a medium to high speed remote controlled surface target with a high degree of maneuverability. It has a form fitted collar surrounding the deck area of the aluminum hull. This target can exceed 45 knots in a calm sea and approaches 40 knots in a sea state 3. Increased funding in FY13 and following years is to support Fast Attack Craft-Fast Inshore Attack Craft (FAC-FIAC) training for the Fleet.</p> <p>[P40A / 6C006 - SDST (Ship Deployable Surface Target)]: SDST (Ship Deployable Surface Target) is used to support Fleet training and T&amp;E exercises. This target supports training requirements of deploying ships and aircraft and surface gunnery requirements.</p> <p>[P40A / 6C007 - FACT (Fast Attack Craft Target)]: FACT (Fast Attack Craft Target) is required to meet T&amp;E requirements for weapon systems tests and Fleet training. The exercises require a target to represent missile capable patrol craft operating at speeds of 50 knots in sea state 2 conditions.</p> <p>[P40A / 6C830 - PRODUCTION ENGINEERING]: Funding provides for Production Engineering performed by a field activity or contractor during the production phase of these projects. (S05)</p> <p>[P40A / 6C850 - PRODUCT IMPROVEMENT]: Funding provides for Product Improvement performed by a field activity or contractor during the production phase of these projects. (S05)</p> <p>[P40A / 6C970 - INTEGRATED LOGISTICS SUPPORT]: Review of proposed acquisition documentation to ensure all logistics requirements are included.</p> |                                           |                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                                                            |



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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                            |                 |              |                                                  |                                                                            |                                                  | <b>Date:</b> February 2015                       |                                                  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5:<br>ASW Support Equipment                                                                                                                                                                                        |                 |              |                                                  | <b>P-1 Line Item Number / Title:</b><br>5455 / ASW Range Support Equipment |                                                  |                                                  |                                                  |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                    |                 |              | <b>Program Elements for Code B Items:</b>        |                                                                            |                                                  | <b>Other Related Program Elements:</b>           |                                                  |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                                                                                                                                     |                 |              | <b>Prior Years</b>                               | <b>FY 2014</b>                                                             | <b>FY 2015</b>                                   | <b>FY 2016 Base</b>                              | <b>FY 2016 OCO</b>                               |
| <b>Title*</b>                                                                                                                                                                                                                                                                                                                                                | <b>Exhibits</b> | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                           | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| ASW Range Support Equipment                                                                                                                                                                                                                                                                                                                                  | P-40a, P-5a     |              | - / 102.618                                      | - / 28.694                                                                 | - / -                                            | - / -                                            | - / -                                            |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                                                                                                                                        |                 |              | <b>- / 102.618</b>                               | <b>- / 28.694</b>                                                          | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / -</b>                                     |
| <small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.<br/>         Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</small> |                 |              |                                                  |                                                                            |                                                  |                                                  |                                                  |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy                             |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   |                | Date: February 2015                                    |                   |                |            |                   |  |
|---------------------------------------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|---------------------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|----------------|--------------------------------------------------------|-------------------|----------------|------------|-------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5                                |       |                |                |            |                   |                |            |                   | P-1 Line Item Number / Title:<br>5455 / ASW Range Support Equipment |            |                   |                |            |                   |                | Aggregated Items Title:<br>ASW Range Support Equipment |                   |                |            |                   |  |
| Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.               |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   |                |                                                        |                   |                |            |                   |  |
| Item Number / Title [DODIC]                                                                             | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015                                                             |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |                                                        |                   | FY 2016 Total  |            |                   |  |
|                                                                                                         |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                                      | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each)                                             | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |  |
| 1) 6C001 - Surface Ship Radiated Noise Measurement (SSRNM)/US Fleet Operational Readiness Acc           |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   |                |                                                        |                   |                |            |                   |  |
| 1.1) 6C001 - SSRNM/US FORACS (S05)                                                                      | A     |                | -              | -          | 20.622            | -              | -          | 2.574             | -                                                                   | -          | -                 | -              | -          | -                 | -              | -                                                      | -                 | -              | -          | -                 |  |
| Subtotal: 1) 6C001 - Surface Ship Radiated Noise Measurement (SSRNM)/US Fleet Operational Readiness Acc |       |                | -              | -          | 20.622            | -              | -          | 2.574             | -                                                                   | -          | -                 | -              | -          | -                 | -              | -                                                      | -                 | -              | -          | -                 |  |
| 2) 6C002 - UNDERWATER TRACKING RANGE EQUIPMENT (UTRE) - N98                                             |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   |                |                                                        |                   |                |            |                   |  |
| 2.1) 6C002 - UTRE (S05)                                                                                 | A     |                | -              | -          | 12.266            | -              | -          | 2.389             | -                                                                   | -          | -                 | -              | -          | -                 | -              | -                                                      | -                 | -              | -          | -                 |  |
| Subtotal: 2) 6C002 - UNDERWATER TRACKING RANGE EQUIPMENT (UTRE) - N98                                   |       |                | -              | -          | 12.266            | -              | -          | 2.389             | -                                                                   | -          | -                 | -              | -          | -                 | -              | -                                                      | -                 | -              | -          | -                 |  |
| 3) 6C003 - TOWED TARGETS                                                                                |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   |                |                                                        |                   |                |            |                   |  |
| 3.1) 6C003 - TOWED TARGETS (SHIPS)                                                                      | A     |                | -              | -          | 3.533             | -              | -          | 4.279             | -                                                                   | -          | -                 | -              | -          | -                 | -              | -                                                      | -                 | -              | -          | -                 |  |
| Subtotal: 3) 6C003 - TOWED TARGETS                                                                      |       |                | -              | -          | 3.533             | -              | -          | 4.279             | -                                                                   | -          | -                 | -              | -          | -                 | -              | -                                                      | -                 | -              | -          | -                 |  |
| 4) 6C004 - INSTRUMENTATION                                                                              |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   |                |                                                        |                   |                |            |                   |  |
| 4.1) 6C004 - INSTRUMENTATION (SHIPS)                                                                    | A     |                | -              | -          | 3.942             | -              | -          | 0.159             | -                                                                   | -          | -                 | -              | -          | -                 | -              | -                                                      | -                 | -              | -          | -                 |  |
| Subtotal: 4) 6C004 - INSTRUMENTATION                                                                    |       |                | -              | -          | 3.942             | -              | -          | 0.159             | -                                                                   | -          | -                 | -              | -          | -                 | -              | -                                                      | -                 | -              | -          | -                 |  |
| 5) 6C005 - HSMST (HIGH SPEED MANEUVERABLE SEABORNE TARGET)                                              |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   |                |                                                        |                   |                |            |                   |  |
| 5.1) 6C005 - HSMST (SHIPS) <sup>(†)</sup>                                                               | A     |                | 203,627.53     | 247        | 50.296            | 183,969.39     | 98         | 18.029            | -                                                                   | -          | -                 | -              | -          | -                 | -              | -                                                      | -                 | -              | -          | -                 |  |
| Subtotal: 5) 6C005 - HSMST (HIGH SPEED MANEUVERABLE SEABORNE TARGET)                                    |       |                | -              | -          | 50.296            | -              | -          | 18.029            | -                                                                   | -          | -                 | -              | -          | -                 | -              | -                                                      | -                 | -              | -          | -                 |  |
| 6) 6C006 - SDST (Ship Deployable Surface Target)                                                        |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   |                |                                                        |                   |                |            |                   |  |
| 6.1) 6C006 - SDST (Ship Deployable Surface Target) (SHIPS)                                              | A     |                | -              | -          | 1.268             | -              | -          | -                 | -                                                                   | -          | -                 | -              | -          | -                 | -              | -                                                      | -                 | -              | -          | -                 |  |
| Subtotal: 6) 6C006 - SDST (Ship Deployable Surface Target)                                              |       |                | -              | -          | 1.268             | -              | -          | -                 | -                                                                   | -          | -                 | -              | -          | -                 | -              | -                                                      | -                 | -              | -          | -                 |  |
| 7) 6C007 - FACT (Fast Attack Craft Target)                                                              |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   |                |                                                        |                   |                |            |                   |  |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                            |  |  |  |  |  |  | <b>Date:</b> February 2015                                    |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 5    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5455 / ASW Range Support Equipment |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>ASW Range Support Equipment |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                                        | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|--------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                                    |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 7.1) 6C007 - FACT (Fast Attack Craft Target) (SHIPS)               | A     |                | -              | -          | 1.424             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <i>Subtotal: 7) 6C007 - FACT (Fast Attack Craft Target)</i>        |       |                | -              | -          | 1.424             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <b>8) 6C830 - PRODUCTION ENGINEERING</b>                           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 8.1) 6C830 - PRODUCTION ENGINEERING UTRE-N98/US FORACS - N96 (S05) | A     |                | -              | -          | 3.144             | -              | -          | 0.350             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 8.2) 6C830 - PRODUCTION ENGINEERING (Ships)                        | A     |                | -              | -          | 2.275             | -              | -          | 0.403             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <i>Subtotal: 8) 6C830 - PRODUCTION ENGINEERING</i>                 |       |                | -              | -          | 5.419             | -              | -          | 0.753             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <b>9) 6C850 - PRODUCT IMPROVEMENT</b>                              |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 9.1) 6C850 - PRODUCT IMPROVEMENT UTRE-N98/US FORACS-N96 (S05)      | A     |                | -              | -          | 2.765             | -              | -          | 0.391             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <i>Subtotal: 9) 6C850 - PRODUCT IMPROVEMENT</i>                    |       |                | -              | -          | 2.765             | -              | -          | 0.391             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <b>10) 6C970 - INTEGRATED LOGISTICS SUPPORT</b>                    |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 10.1) 6C970 - INTEGRATED LOGISTICS SUPPORT (SHIPS)                 | A     |                | -              | -          | 1.083             | -              | -          | 0.120             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <i>Subtotal: 10) 6C970 - INTEGRATED LOGISTICS SUPPORT</i>          |       |                | -              | -          | 1.083             | -              | -          | 0.120             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| <b>Total</b>                                                       |       |                | -              | -          | <b>102.618</b>    | -              | -          | <b>28.694</b>     | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |

(t) indicates the presence of a P-5a

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| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy             |             |             |                             |                                                                     |                 |               |                              |                                                  | Date: February 2015 |                        |                               |                      |
|--------------------------------------------------------------------------|-------------|-------------|-----------------------------|---------------------------------------------------------------------|-----------------|---------------|------------------------------|--------------------------------------------------|---------------------|------------------------|-------------------------------|----------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 5 |             |             |                             | P-1 Line Item Number / Title:<br>5455 / ASW Range Support Equipment |                 |               |                              | Aggregated Items:<br>ASW Range Support Equipment |                     |                        |                               |                      |
| Item Number / Title [DODIC]                                              | O<br>C<br>O | FY          | Contractor and Location     | Method/Type<br>or<br>Funding Vehicle                                | Location of PCO | Award<br>Date | Date<br>of First<br>Delivery | Qty<br>(Each)                                    | Unit Cost<br>(\$)   | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |
| 5) 6C005 - HSMST (HIGH SPEED MANEUVERABLE SEABORNE TARGET)               |             |             |                             |                                                                     |                 |               |                              |                                                  |                     |                        |                               |                      |
| 5.1) 6C005 - HSMST (SHIPS)                                               |             | 2011        | Gravois Aluminum Boats / LA | C / FFP                                                             | NAVSEA          | Aug 2011      | Jan 2012                     | 12                                               | 172,420.00          | N                      |                               | Apr 2011             |
| 5.1) 6C005 - HSMST (SHIPS)                                               |             | 2012        | Silverships / Theodore, AL  | C / FFP                                                             | NAVSEA          | Jul 2012      | Nov 2012                     | 17                                               | 175,588.24          | N                      |                               | Apr 2012             |
| 5.1) 6C005 - HSMST (SHIPS)                                               |             | 2013<br>(1) | Silverships / Theodore, AL  | C / FFP                                                             | NAVSEA          | Nov 2013      | Mar 2014                     | 218                                              | 165,298.17          | N                      |                               | Aug 2013             |
| 5.1) 6C005 - HSMST (SHIPS)                                               |             | 2014<br>(2) | Silverships / Theodore, AL  | C / FFP                                                             | NAVSEA          | Aug 2014      | Dec 2014                     | 98                                               | 183,969.39          | N                      |                               | Jun 2014             |

**Footnotes:**

<sup>(1)</sup> Metal Shark, Jeanerette, AL, was also awarded an HSMST contract. Two HSMST contract awards for FY13.

<sup>(2)</sup> Metal Shark, Jeanerette, AL, was also awarded an HSMST contract. Two HSMST contract awards for FY14.

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                             |             |         |                                    |              |             |                                                                           |         | Date: February 2015                                          |         |         |             |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|------------------------------------|--------------|-------------|---------------------------------------------------------------------------|---------|--------------------------------------------------------------|---------|---------|-------------|---------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 6: Other Ordnance Support Equipment |             |         |                                    |              |             | P-1 Line Item Number / Title:<br>5509 / Explosive Ordnance Disposal Equip |         |                                                              |         |         |             |         |
| ID Code (A=Service Ready, B=Not Service Ready) : B                                                                                                                     |             |         | Program Elements for Code B Items: |              |             |                                                                           |         | Other Related Program Elements: 0604654N, 0603654N, 0604653N |         |         |             |         |
| Resource Summary                                                                                                                                                       | Prior Years | FY 2014 | FY 2015                            | FY 2016 Base | FY 2016 OCO | FY 2016 Total                                                             | FY 2017 | FY 2018                                                      | FY 2019 | FY 2020 | To Complete | Total   |
| Procurement Quantity ( <i>Units in Each</i> )                                                                                                                          | -           | -       | -                                  | -            | -           | -                                                                         | -       | -                                                            | -       | -       | -           | -       |
| Gross/Weapon System Cost ( <i>\$ in Millions</i> )                                                                                                                     | 328.544     | 148.516 | 124.549                            | 22.623       | -           | 22.623                                                                    | 24.780  | 13.558                                                       | 16.059  | 16.371  | -           | 695.000 |
| Less PY Advance Procurement ( <i>\$ in Millions</i> )                                                                                                                  | -           | -       | -                                  | -            | -           | -                                                                         | -       | -                                                            | -       | -       | -           | -       |
| Net Procurement (P1) ( <i>\$ in Millions</i> )                                                                                                                         | 328.544     | 148.516 | 124.549                            | 22.623       | -           | 22.623                                                                    | 24.780  | 13.558                                                       | 16.059  | 16.371  | -           | 695.000 |
| Plus CY Advance Procurement ( <i>\$ in Millions</i> )                                                                                                                  | -           | -       | -                                  | -            | -           | -                                                                         | -       | -                                                            | -       | -       | -           | -       |
| Total Obligation Authority ( <i>\$ in Millions</i> )                                                                                                                   | 328.544     | 148.516 | 124.549                            | 22.623       | -           | 22.623                                                                    | 24.780  | 13.558                                                       | 16.059  | 16.371  | -           | 695.000 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                 |             |         |                                    |              |             |                                                                           |         |                                                              |         |         |             |         |
| Initial Spares ( <i>\$ in Millions</i> )                                                                                                                               | -           | -       | -                                  | -            | -           | -                                                                         | -       | 0.093                                                        | 0.001   | -       | -           | 0.094   |
| Flyaway Unit Cost ( <i>\$ in Dollars</i> )                                                                                                                             | -           | -       | -                                  | -            | -           | -                                                                         | -       | -                                                            | -       | -       | -           | -       |
| Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )                                                                                                                 | -           | -       | -                                  | -            | -           | -                                                                         | -       | -                                                            | -       | -       | -           | -       |

## Description:

Navy has a core mission to procure systems, equipment, and support for Explosive Ordnance Disposal (EOD) including Joint Service EOD Special Mission support to remain ever vigilant to meet current and future challenges. Program required for new and innovated EOD technologies to heighten EOD capabilities and advantages to overcome the evolving threat and to be a relevant force to execute the Navy's core missions.

This program provides for the procurement of systems, equipment, and support for Explosive Ordnance Disposal (EOD) including Joint Service EOD Special Mission support.

The Navy is responsible for the management and execution of the Joint Service Explosive Ordnance Disposal (EOD) unified procurement system as assigned by DOD Directive 5160.62. All procurement of EOD tools and equipment, both initial outfitting and replenishment, for all military services is made by the Navy. The Navy provides all procurement services. There is an annual average of 300 procurement actions for this material. Each military service funds its own hardware.

[P5 / VN075 - EOD EQUIPMENT/SYSTEM]: Provides for systems, equipment, and support for EOD.

[P5 / EOD DSS INITIAL CAPABILITY]: Provides the EOD technician access to EOD information and maintains current capability to collect and analyze ordnance information, and to develop render safe procedures. DSS Initial Capability directly transitions technology and systems from the Knowledge Technology Operational Demonstration (KTOD) Advanced Concepts Technology Demonstration (ACTD).

[P5 / TRANSMITTER, COUNTERMEASURES (TCM) AN/PLT-XXX]: (CLASSIFIED PROJECT III): A system that provides the EOD technician protection from Improvised Explosive Devices (IEDs) and deliberate explosive devices by preventing their initiation, while working in close proximity to suspect devices. Also provides for Block Upgrades.

[P5 / EOD FUTURE RADIOGRAPHIC SYSTEM]: Provides a much increased radiographic/diagnostic capability for the EOD technician responding to new requirements.

[P5 / VN077 - EOD OUTFITTING]: Provides for EOD Outfitting.

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------------------|
| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                    | Date: February 2015                                                       |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 6: Other Ordnance Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                    | P-1 Line Item Number / Title:<br>5509 / Explosive Ordnance Disposal Equip |
| ID Code (A=Service Ready, B=Not Service Ready) : B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Program Elements for Code B Items: | Other Related Program Elements: 0604654N, 0603654N, 0604653N              |
| <p>[P5 / JUONS CC0402,CC0180,CC-0412]: Provides specialized components for EOD tool kits for use in theater in response to JUONS CC 0402, provides procurement of optic kits for EOD bomb suits, and to support the procurement of the next generation of optics and modifications to the mounting hardware for EOD suits in response to JUONS CC 0180. Provides specialized radio repeaters for EOD robots for use in theater in response to JUONS CC 412 from the end user.</p> <p>[P5 / COMBINED EXPLOSIVE EXPLOITATION CELL]: CEXC/NEODTECH TSD: Provides for the outfitting of type 2-SEA Duty EOD Detachment to address operational requirements for IED exploitation support of global tasking.</p> <p>[P5 / QDR RENDER SAFE]: QDR RENDER SAFE/Weapons of Mass Destruction (WMD): Procure specialized equipment for joint service EOD technicians to perform render safe missions in support of Quadrennial Defense Review (QDR) issues.</p> <p>[P5 / SPECIAL MISSION PROGRAM]: Provides for outfitting of Navy EOD Special Mission Program equipment in support of COCOMs and national response.</p> <p>[P5 / EOD IED ECM]: Provides for the outfitting of ECM systems specifically for EOD use that prevent the initiation of Remote Controlled IED (RCIED) threats.</p> <p>[P5 / MATERIAL FOR NAVSCOLEOD]: Provides for inert ordnance material to NAVSCOLEOD in support of Joint Service training.</p> <p>[P5 / EODMU ALLOWANCE]: Initial outfitting of tools/equipment and personal issue items for increased allowances on the CNO approved Allowance List for both active Fleet and Naval Reserve EOD units.</p> <p>[P5 / EOD TACTICAL COMMS]: Outfitting of tactical communications systems for EOD units/detachments for allowances on the CNO approved Allowance List.</p> <p>[P5 / EOD DSS CIP]: Provides the EOD technician access to EOD information and maintains current capability to collect and analyze ordnance information, and to develop render safe procedures. DSS Initial Capability directly transitions technology and systems from the Knowledge Technology Operational Demonstration (KTOD) Advanced Concepts Technology Demonstration (ACTD).</p> <p>[P5 / NAVY EOD EQUIPMENT]: Provides reset recapitalization equipment against approved allowance to support the Joint Service EOD community.</p> <p>[P5 / HIGH FIDELITY WMD IDENTIFICATION (HFWI)]: Provides a family of detection identification capability for the EOD technician.</p> <p>[P5 / JS EOD MOBILE ICE MODULES]: Self contained, deployable MILVAN type container configured and outfitted to perform ordnance and IED exploitation.</p> <p>[P5 / VN830 - PRODUCTION ENGINEERING]: Provides production engineering support.</p> <p>[P5 / VN850 - PRODUCT IMPROVEMENT]: Provides for product improvement and related engineering services.</p> <p>[P5 / VN860 - ACCEPTANCE, TEST &amp; EVALUATION]: Provides for acceptance, test, inspection, and evaluation of articles, tools and production quantities of EOD systems and equipment.</p> <p>[P5 - 2 / VN870 - JOINT CREW]: Provides for the procurement, support, and other related costs of the Joint Counter Radio Controlled Improvised Explosive Device - Electronic Warfare (JCREW) program and related family of systems that provide countermeasures against the global Radio Controlled IED (RCIED) threat.</p> <p>[P5 - 2 / VNG82 - OCO SUPPLEMENTAL (FY 15) (OEF-A)]: Funding supports Operation Enduring Freedom - Afghanistan.</p> <p>[P5 - 2 / VNG86 - OCO SUPPLEMENTAL (FY12) (OND)]: Funding supported Operation New Dawn.</p> |                                    |                                                                           |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           | <b>Date:</b> February 2015                                                       |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 6: Other Ordnance Support Equipment                                                                                                                                                                                                                                                                                                                                                                                            |                                           | <b>P-1 Line Item Number / Title:</b><br>5509 / Explosive Ordnance Disposal Equip |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Program Elements for Code B Items:</b> | <b>Other Related Program Elements:</b> 0604654N, 0603654N, 0604653N              |
| <p>[P5 - 2 / VNG83 - OCO SUPPLEMENTAL (FY 15) (OEF-HOA)]: Funds support Operation Enduring Freedom - Horn of Africa.</p> <p>[P5 - 2 / VNG84- JCREW OCO SUPPLEMENTAL (FY 15) (OEF-T)]: Funds support Operation Enduring Freedom- Theater.</p> <p>[P5 - 2 / VNE85 - EOD OCO SUPPLEMENTAL (FY 14) (OEF-T)]: Funds support Operation Enduring Freedom - Theater.</p> <p>[P5 - 2 / VNC85 - CREW OCO SUPPLEMENTAL (FY 14) (OEF-T)]: Funds support Operation Enduring Freedom - Theater.</p> <p>[P5 - 2 / VNTNG - INITIAL TRAINING]: Provides training and related support.</p> |                                           |                                                                                  |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------|--|----------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------|--|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                             |  |  |                                           |  |                                                                                  |                                                                     | <b>Date:</b> February 2015 |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 6: Other Ordnance Support Equipment |  |  |                                           |  | <b>P-1 Line Item Number / Title:</b><br>5509 / Explosive Ordnance Disposal Equip |                                                                     |                            |  |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B                                                                                                                     |  |  | <b>Program Elements for Code B Items:</b> |  |                                                                                  | <b>Other Related Program Elements:</b> 0604654N, 0603654N, 0604653N |                            |  |

| Exhibits Schedule                     |                 |          | Prior Years                              | FY 2014                                  | FY 2015                                  | FY 2016 Base                             | FY 2016 OCO                              | FY 2016 Total                            |
|---------------------------------------|-----------------|----------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| Title*                                | Exhibits        | ID<br>CD | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) |
| 1 / EOD - Equipment                   | P-5, P-5a, P-21 |          | - / 249.005                              | - / 32.810                               | - / 16.797                               | - / 19.396                               | - / -                                    | - / 19.396                               |
| 2 / EOD - CREW and OCO                | P-5, P-5a       |          | - / 79.539                               | - / 115.706                              | - / 107.752                              | - / 3.227                                | - / -                                    | - / 3.227                                |
| <b>Total Gross/Weapon System Cost</b> |                 |          | <b>- / 328.544</b>                       | <b>- / 148.516</b>                       | <b>- / 124.549</b>                       | <b>- / 22.623</b>                        | <b>- / -</b>                             | <b>- / 22.623</b>                        |

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

**Justification:**  
 FY 16 funding provides for the baseline program to procure Navy EOD Equipment, 58 Advanced EOD ROBOTS; DSS upgrades to JS EOD Common Platform/Controller, DSS JEODNET N0 enclave and DSS Production Environments, EOD Outfitting table of allowance equipment, Production Engineering, Acceptance, Test & Evaluation for 51 EOD Future Radiographic System(FRS), Product Improvement of the EOD equipment; EOD training and related support; Technical Training material used for training at the Naval School Explosive Ordnance Disposal (EOD). Baseline funding is also required to procure Mobile In-Country Exploitation (ICE) shelters, tools and equipment. Additionally, FY 16 baseline funds will procure Combined Explosive Exploitation Cell Platoon Laboratory Table Allowance equipment (i.e. Advanced X-Ray; Weapons Assessment tools) and procures Navy 25 JCREW I1B1 LRIP Systems.



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|----------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|---------------|----------------------|-------------------|---------------------------------------------------------------------------|----------------------|-------------------|-----------------|----------------------|-------------------|-----------------------------------------------------|----------------------|-------------------|---------------|----------------------|-------------------|---------------|----------------------|
| Exhibit P-5, Cost Analysis: PB 2016 Navy                                                                                               |  |                   |               |                      |                   |                                                                           |                      |                   |                 |                      |                   | Date: February 2015                                 |                      |                   |               |                      |                   |               |                      |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 6                                                               |  |                   |               |                      |                   | P-1 Line Item Number / Title:<br>5509 / Explosive Ordnance Disposal Equip |                      |                   |                 |                      |                   | Item Number / Title [DODIC]:<br>1 / EOD - Equipment |                      |                   |               |                      |                   |               |                      |
| ID Code (A=Service Ready, B=Not Service Ready) :                                                                                       |  |                   |               |                      |                   |                                                                           |                      |                   | MDAP/MAIS Code: |                      |                   |                                                     |                      |                   |               |                      |                   |               |                      |
| Resource Summary                                                                                                                       |  |                   |               | Prior Years          |                   | FY 2014                                                                   |                      | FY 2015           |                 | FY 2016 Base         |                   | FY 2016 OCO                                         |                      | FY 2016 Total     |               |                      |                   |               |                      |
| Procurement Quantity <i>(Units in Each)</i>                                                                                            |  |                   |               | -                    |                   | -                                                                         |                      | -                 |                 | -                    |                   | -                                                   |                      | -                 |               |                      |                   |               |                      |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                       |  |                   |               | 249.005              |                   | 32.810                                                                    |                      | 16.797            |                 | 19.396               |                   | -                                                   |                      | 19.396            |               |                      |                   |               |                      |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                    |  |                   |               | -                    |                   | -                                                                         |                      | -                 |                 | -                    |                   | -                                                   |                      | -                 |               |                      |                   |               |                      |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                           |  |                   |               | 249.005              |                   | 32.810                                                                    |                      | 16.797            |                 | 19.396               |                   | -                                                   |                      | 19.396            |               |                      |                   |               |                      |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                    |  |                   |               | -                    |                   | -                                                                         |                      | -                 |                 | -                    |                   | -                                                   |                      | -                 |               |                      |                   |               |                      |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                     |  |                   |               | 249.005              |                   | 32.810                                                                    |                      | 16.797            |                 | 19.396               |                   | -                                                   |                      | 19.396            |               |                      |                   |               |                      |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) |  |                   |               |                      |                   |                                                                           |                      |                   |                 |                      |                   |                                                     |                      |                   |               |                      |                   |               |                      |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                 |  |                   |               | -                    |                   | -                                                                         |                      | -                 |                 | -                    |                   | -                                                   |                      | -                 |               |                      |                   |               |                      |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                   |  |                   |               | -                    |                   | -                                                                         |                      | -                 |                 | -                    |                   | -                                                   |                      | -                 |               |                      |                   |               |                      |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.                                                |  |                   |               |                      |                   |                                                                           |                      |                   |                 |                      |                   |                                                     |                      |                   |               |                      |                   |               |                      |
| Cost Elements                                                                                                                          |  | Prior Years       |               |                      | FY 2014           |                                                                           |                      | FY 2015           |                 |                      | FY 2016 Base      |                                                     |                      | FY 2016 OCO       |               |                      | FY 2016 Total     |               |                      |
|                                                                                                                                        |  | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each)                                                             | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each)   | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each)                                       | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) |
| Hardware - VN075 - EOD EQUIPMENT/SYSTEM Cost                                                                                           |  |                   |               |                      |                   |                                                                           |                      |                   |                 |                      |                   |                                                     |                      |                   |               |                      |                   |               |                      |
| Recurring Cost                                                                                                                         |  |                   |               |                      |                   |                                                                           |                      |                   |                 |                      |                   |                                                     |                      |                   |               |                      |                   |               |                      |
| 1.1.1) EOD DSS INITIAL CAPABILITY                                                                                                      |  | 229,720.00        | 50            | 11.486               | -                 | -                                                                         | -                    | -                 | -               | -                    | -                 | -                                                   | -                    | -                 | -             | -                    | -                 | -             |                      |
| 1.1.2) TRANSMITTER, COUNTERMEASURES (TCM) AN/PLT-XXX                                                                                   |  | -                 | -             | 11.640               | -                 | -                                                                         | -                    | -                 | -               | -                    | -                 | -                                                   | -                    | -                 | -             | -                    | -                 | -             |                      |
| 1.1.3) EOD FUTURE RADIOGRAPHIC SYSTEM <sup>(†)</sup>                                                                                   |  | 166,666.67        | 15            | 2.500                | 80,000.00         | 101                                                                       | 8.080                | -                 | -               | -                    | -                 | -                                                   | -                    | -                 | -             | -                    | -                 | -             |                      |
| 1.1.4) ADVANCED EOD ROBOT <sup>(†)</sup>                                                                                               |  | -                 | -             | 0.000                | -                 | -                                                                         | -                    | -                 | -               | 219,172.41           | 58                | 12.712                                              | -                    | -                 | -             | 219,172.41           | 58                | 12.712        |                      |
| Subtotal: Recurring Cost                                                                                                               |  | -                 | -             | 25.626               | -                 | -                                                                         | 8.080                | -                 | -               | -                    | -                 | 12.712                                              | -                    | -                 | -             | -                    | -                 | 12.712        |                      |
| Subtotal: Hardware - VN075 - EOD EQUIPMENT/ SYSTEM Cost                                                                                |  | -                 | -             | 25.626               | -                 | -                                                                         | 8.080                | -                 | -               | -                    | -                 | 12.712                                              | -                    | -                 | -             | -                    | -                 | 12.712        |                      |
| Hardware - VN077 - EOD OUTFITTING Cost                                                                                                 |  |                   |               |                      |                   |                                                                           |                      |                   |                 |                      |                   |                                                     |                      |                   |               |                      |                   |               |                      |
| Recurring Cost                                                                                                                         |  |                   |               |                      |                   |                                                                           |                      |                   |                 |                      |                   |                                                     |                      |                   |               |                      |                   |               |                      |
| 2.1.1) JUONS CC0402,CC0180,CC-0412                                                                                                     |  | -                 | -             | 4.700                | -                 | -                                                                         | -                    | -                 | -               | -                    | -                 | -                                                   | -                    | -                 | -             | -                    | -                 | -             |                      |
| 2.1.2) COMBINED EXPLOSIVE EXPLOITATION CELL                                                                                            |  | -                 | -             | 6.000                | -                 | -                                                                         | 2.388                | -                 | -               | 4.333                | -                 | -                                                   | 1.600                | -                 | -             | -                    | -                 | 1.600         |                      |
| 2.1.3) QDR RENDER SAFE                                                                                                                 |  | -                 | -             | 89.044               | -                 | -                                                                         | -                    | -                 | -               | -                    | -                 | -                                                   | -                    | -                 | -             | -                    | -                 | -             |                      |

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|-----------------------------------------------------------------------------------------|-------------------|---------------|----------------------|-------------------|---------------|----------------------|---------------------------------------------------------------------------|---------------|----------------------|-------------------|---------------|----------------------|-----------------------------------------------------|---------------|----------------------|-------------------|---------------|----------------------|
| Exhibit P-5, Cost Analysis: PB 2016 Navy                                                |                   |               |                      |                   |               |                      |                                                                           |               |                      |                   |               |                      | Date: February 2015                                 |               |                      |                   |               |                      |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 6                |                   |               |                      |                   |               |                      | P-1 Line Item Number / Title:<br>5509 / Explosive Ordnance Disposal Equip |               |                      |                   |               |                      | Item Number / Title [DODIC]:<br>1 / EOD - Equipment |               |                      |                   |               |                      |
| ID Code (A=Service Ready, B=Not Service Ready) :                                        |                   |               |                      |                   |               |                      |                                                                           |               |                      | MDAP/MAIS Code:   |               |                      |                                                     |               |                      |                   |               |                      |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding. |                   |               |                      |                   |               |                      |                                                                           |               |                      |                   |               |                      |                                                     |               |                      |                   |               |                      |
| Cost Elements                                                                           | Prior Years       |               |                      | FY 2014           |               |                      | FY 2015                                                                   |               |                      | FY 2016 Base      |               |                      | FY 2016 OCO                                         |               |                      | FY 2016 Total     |               |                      |
|                                                                                         | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$)                                                         | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$)                                   | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) |
| 2.1.4) SPECIAL MISSION PROGRAM                                                          | -                 | -             | 20.941               | -                 | -             | -                    | -                                                                         | -             | -                    | -                 | -             | -                    | -                                                   | -             | -                    | -                 | -             | -                    |
| 2.1.5) EOD IED ECM                                                                      | -                 | -             | 11.900               | -                 | -             | -                    | -                                                                         | -             | -                    | -                 | -             | -                    | -                                                   | -             | -                    | -                 | -             | -                    |
| 2.1.6) MATERIAL FOR NAVSCOLEOD                                                          | -                 | -             | 2.045                | -                 | -             | 0.378                | -                                                                         | -             | 0.380                | -                 | -             | 0.340                | -                                                   | -             | -                    | -                 | -             | 0.340                |
| 2.1.7) EODMU ALLOWANCE                                                                  | -                 | -             | 45.292               | -                 | -             | -                    | -                                                                         | -             | -                    | -                 | -             | -                    | -                                                   | -             | -                    | -                 | -             | -                    |
| 2.1.8) EOD TACTICAL COMMS                                                               | -                 | -             | 5.000                | -                 | -             | -                    | -                                                                         | -             | -                    | -                 | -             | -                    | -                                                   | -             | -                    | -                 | -             | -                    |
| 2.1.9) EOD DSS CIP                                                                      | -                 | -             | 2.784                | -                 | -             | 3.240                | -                                                                         | -             | 2.880                | -                 | -             | 1.150                | -                                                   | -             | -                    | -                 | -             | 1.150                |
| 2.1.10) NAVY EOD EQUIPMENT                                                              | -                 | -             | 8.991                | -                 | -             | 15.842               | -                                                                         | -             | 6.149                | -                 | -             | 0.933                | -                                                   | -             | -                    | -                 | -             | 0.933                |
| 2.1.11) HIGH FIDELITY WMD IDENTIFICATION (HFWI)                                         | -                 | -             | 5.000                | -                 | -             | -                    | -                                                                         | -             | -                    | -                 | -             | -                    | -                                                   | -             | -                    | -                 | -             | -                    |
| 2.1.12) JS EOD MOBILE ICE MODULES                                                       | -                 | -             | 1.129                | -                 | -             | 0.262                | -                                                                         | -             | 0.365                | -                 | -             | 0.271                | -                                                   | -             | -                    | -                 | -             | 0.271                |
| Subtotal: Recurring Cost                                                                | -                 | -             | 202.826              | -                 | -             | 22.110               | -                                                                         | -             | 14.107               | -                 | -             | 4.294                | -                                                   | -             | -                    | -                 | -             | 4.294                |
| Subtotal: Hardware - VN077 - EOD OUTFITTING Cost                                        | -                 | -             | 202.826              | -                 | -             | 22.110               | -                                                                         | -             | 14.107               | -                 | -             | 4.294                | -                                                   | -             | -                    | -                 | -             | 4.294                |
| Support - VN830 - PRODUCTION ENGINEERING Cost                                           |                   |               |                      |                   |               |                      |                                                                           |               |                      |                   |               |                      |                                                     |               |                      |                   |               |                      |
| 3.1) PRODUCTION ENGINEERING                                                             | -                 | -             | 6.249                | -                 | -             | 1.101                | -                                                                         | -             | 1.131                | -                 | -             | 1.251                | -                                                   | -             | -                    | -                 | -             | 1.251                |
| Subtotal: Support - VN830 - PRODUCTION ENGINEERING Cost                                 | -                 | -             | 6.249                | -                 | -             | 1.101                | -                                                                         | -             | 1.131                | -                 | -             | 1.251                | -                                                   | -             | -                    | -                 | -             | 1.251                |
| Support - VN850 - PRODUCT IMPROVEMENT Cost                                              |                   |               |                      |                   |               |                      |                                                                           |               |                      |                   |               |                      |                                                     |               |                      |                   |               |                      |
| 4.1) PRODUCT IMPROVEMENT                                                                | -                 | -             | 5.852                | -                 | -             | 0.714                | -                                                                         | -             | 0.728                | -                 | -             | 0.542                | -                                                   | -             | -                    | -                 | -             | 0.542                |
| Subtotal: Support - VN850 - PRODUCT IMPROVEMENT Cost                                    | -                 | -             | 5.852                | -                 | -             | 0.714                | -                                                                         | -             | 0.728                | -                 | -             | 0.542                | -                                                   | -             | -                    | -                 | -             | 0.542                |
| Support - VN860 - ACCEPTANCE, TEST & EVALUATION Cost                                    |                   |               |                      |                   |               |                      |                                                                           |               |                      |                   |               |                      |                                                     |               |                      |                   |               |                      |
| 5.1) ACCEPTANCE, TEST & EVALUATION                                                      | -                 | -             | 5.348                | -                 | -             | 0.805                | -                                                                         | -             | 0.831                | -                 | -             | 0.597                | -                                                   | -             | -                    | -                 | -             | 0.597                |
| 5.2) JOINT CREW ACCEPTANCE TEST & EVALUATION                                            | -                 | -             | 3.104                | -                 | -             | -                    | -                                                                         | -             | -                    | -                 | -             | -                    | -                                                   | -             | -                    | -                 | -             | -                    |

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| Exhibit P-5, Cost Analysis: PB 2016 Navy                                                |                |            |                   |                |            |                                                                           |                |            |                   |                 |            |                   | Date: February 2015                                 |            |                   |                |            |                   |
|-----------------------------------------------------------------------------------------|----------------|------------|-------------------|----------------|------------|---------------------------------------------------------------------------|----------------|------------|-------------------|-----------------|------------|-------------------|-----------------------------------------------------|------------|-------------------|----------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 6                |                |            |                   |                |            | P-1 Line Item Number / Title:<br>5509 / Explosive Ordnance Disposal Equip |                |            |                   |                 |            |                   | Item Number / Title [DODIC]:<br>1 / EOD - Equipment |            |                   |                |            |                   |
| ID Code (A=Service Ready, B=Not Service Ready) :                                        |                |            |                   |                |            |                                                                           |                |            |                   | MDAP/MAIS Code: |            |                   |                                                     |            |                   |                |            |                   |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding. |                |            |                   |                |            |                                                                           |                |            |                   |                 |            |                   |                                                     |            |                   |                |            |                   |
| Cost Elements                                                                           | Prior Years    |            |                   | FY 2014        |            |                                                                           | FY 2015        |            |                   | FY 2016 Base    |            |                   | FY 2016 OCO                                         |            |                   | FY 2016 Total  |            |                   |
|                                                                                         | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M)                                                         | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)  | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                      | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| Subtotal: Support - VN860 - ACCEPTANCE, TEST & EVALUATION Cost                          | -              | -          | 8.452             | -              | -          | 0.805                                                                     | -              | -          | 0.831             | -               | -          | 0.597             | -                                                   | -          | -                 | -              | -          | 0.597             |
| Gross/Weapon System Cost                                                                | -              | -          | 249.005           | -              | -          | 32.810                                                                    | -              | -          | 16.797            | -               | -          | 19.396            | -                                                   | -          | -                 | -              | -          | 19.396            |

(t) indicates the presence of a P-5a

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|                                                                                 |  |  |  |                                                                                  |  |  |  |                                                            |  |  |  |
|---------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------|--|--|--|------------------------------------------------------------|--|--|--|
| <b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Navy             |  |  |  |                                                                                  |  |  |  | <b>Date:</b> February 2015                                 |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 6 |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5509 / Explosive Ordnance Disposal Equip |  |  |  | <b>Item Number / Title [DODIC]:</b><br>1 / EOD - Equipment |  |  |  |

| Cost Elements                            | O<br>C<br>O | FY   | Contractor and Location        | Method/Type<br>or<br>Funding Vehicle | Location of PCO | Award<br>Date | Date<br>of First<br>Delivery | Qty<br><i>(Each)</i> | Unit Cost<br><i>(\$)</i> | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |
|------------------------------------------|-------------|------|--------------------------------|--------------------------------------|-----------------|---------------|------------------------------|----------------------|--------------------------|------------------------|-------------------------------|----------------------|
| 1.1.3) EOD FUTURE RADIOGRAPHIC SYSTEM    |             | 2014 | SAIC / San Diego, CA           | C / FFP                              | NSWC/IH         | Jun 2014      | Jul 2015                     | 101                  | 80,000.00                | N                      | Feb 2014                      |                      |
| 1.1.4) ADVANCED EOD ROBOT <sup>(†)</sup> |             | 2016 | New MFG - Name / New MFG - Loc | C / FFP                              | TBD             | Sep 2016      | Jun 2017                     | 58                   | 219,172.41               | N                      |                               | Jun 2014             |

<sup>(†)</sup> indicates the presence of a P-21

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|                                                                          |                  |      |         |             |                                        |                              |                    |             |             |                                                                           |             |             |             |             |             |             |             |             |                    |                                                     |             |             |             |             |             |             |             |             |             |             |             |
|--------------------------------------------------------------------------|------------------|------|---------|-------------|----------------------------------------|------------------------------|--------------------|-------------|-------------|---------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------|-----------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Exhibit P-21, Production Schedule: PB 2016 Navy                          |                  |      |         |             |                                        |                              |                    |             |             |                                                                           |             |             |             |             |             |             |             |             |                    | Date: February 2015                                 |             |             |             |             |             |             |             |             |             |             |             |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 6 |                  |      |         |             |                                        |                              |                    |             |             | P-1 Line Item Number / Title:<br>5509 / Explosive Ordnance Disposal Equip |             |             |             |             |             |             |             |             |                    | Item Number / Title [DODIC]:<br>1 / EOD - Equipment |             |             |             |             |             |             |             |             |             |             |             |
| Cost Elements<br>(Units in Each)                                         |                  |      |         |             |                                        |                              | Fiscal Year 2014   |             |             |                                                                           |             |             |             |             |             |             |             |             | Fiscal Year 2015   |                                                     |             |             |             |             |             |             |             |             |             |             |             |
| O<br>C<br>C<br>O                                                         | M<br>F<br>R<br># | FY   | SERVICE | PROC<br>QTY | ACCEPT<br>PRIOR<br>TO 1<br>OCT<br>2013 | BAL<br>DUE<br>AS OF<br>1 OCT | Calendar Year 2014 |             |             |                                                                           |             |             |             |             |             |             |             |             | Calendar Year 2015 |                                                     |             |             |             |             |             |             |             |             |             |             |             |
|                                                                          |                  |      |         |             |                                        |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                                               | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | O<br>C<br>T        | N<br>O<br>V                                         | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |
| 1.1.4) ADVANCED EOD ROBOT                                                |                  |      |         |             |                                        |                              |                    |             |             |                                                                           |             |             |             |             |             |             |             |             |                    |                                                     |             |             |             |             |             |             |             |             |             |             |             |
|                                                                          | 1                | 2016 | NAVY    | 58          | -                                      | 58                           |                    |             |             |                                                                           |             |             |             |             |             |             |             |             |                    |                                                     |             |             |             |             |             |             |             |             |             | 58          |             |
|                                                                          |                  |      |         |             |                                        |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                                               | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | O<br>C<br>T        | N<br>O<br>V                                         | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |

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| Exhibit P-21, Production Schedule: PB 2016 Navy                          |                  |      |         |             |                                        |                              |                    |             |             |                                                                           |             |             |             |             |             |             |                    |             |             | Date: February 2015                                 |             |             |             |             |             |             |             |             |             |             |             |
|--------------------------------------------------------------------------|------------------|------|---------|-------------|----------------------------------------|------------------------------|--------------------|-------------|-------------|---------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------|-------------|-------------|-----------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 6 |                  |      |         |             |                                        |                              |                    |             |             | P-1 Line Item Number / Title:<br>5509 / Explosive Ordnance Disposal Equip |             |             |             |             |             |             |                    |             |             | Item Number / Title [DODIC]:<br>1 / EOD - Equipment |             |             |             |             |             |             |             |             |             |             |             |
| Cost Elements<br>(Units in Each)                                         |                  |      |         |             |                                        |                              | Fiscal Year 2016   |             |             |                                                                           |             |             |             |             |             |             | Fiscal Year 2017   |             |             |                                                     |             |             |             |             |             |             |             |             |             |             |             |
| O<br>C<br>C<br>O                                                         | M<br>F<br>R<br># | FY   | SERVICE | PROC<br>QTY | ACCEPT<br>PRIOR<br>TO 1<br>OCT<br>2015 | BAL<br>DUE<br>AS OF<br>1 OCT | Calendar Year 2016 |             |             |                                                                           |             |             |             |             |             |             | Calendar Year 2017 |             |             |                                                     |             |             |             |             |             |             | B<br>A<br>L |             |             |             |             |
|                                                                          |                  |      |         |             |                                        |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                                               | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G        | S<br>E<br>P | O<br>C<br>T | N<br>O<br>V                                         | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y |             | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P |
| 1.1.4) ADVANCED EOD ROBOT                                                |                  |      |         |             |                                        |                              |                    |             |             |                                                                           |             |             |             |             |             |             |                    |             |             |                                                     |             |             |             |             |             |             |             |             |             |             |             |
|                                                                          | 1                | 2016 | NAVY    | 58          | -                                      | 58                           |                    |             |             |                                                                           |             |             |             |             |             |             | A -                | -           | -           | -                                                   | -           | -           | -           | -           | -           | -           | -           | -           | 58          |             | -           |
|                                                                          |                  |      |         |             |                                        |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                                               | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G        | S<br>E<br>P | O<br>C<br>T | N<br>O<br>V                                         | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |

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| Exhibit P-21, Production Schedule: PB 2016 Navy                          |                                   |                                |                |              |                                                                           |                    |         |                      | Date: February 2015                                 |                    |         |                      |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 6 |                                   |                                |                |              | P-1 Line Item Number / Title:<br>5509 / Explosive Ordnance Disposal Equip |                    |         |                      | Item Number / Title [DODIC]:<br>1 / EOD - Equipment |                    |         |                      |
|                                                                          |                                   | Production Rates (Each / Year) |                |              | Procurement Leadtime (Months)                                             |                    |         |                      |                                                     |                    |         |                      |
| MFR<br>Ref<br>#                                                          | MFR Name - Location               | MSR For 2016                   | 1-8-5 For 2016 | MAX For 2016 | Initial                                                                   |                    |         |                      | Reorder                                             |                    |         |                      |
|                                                                          |                                   |                                |                |              | ALT<br>Prior to Oct 1                                                     | ALT<br>After Oct 1 | Mfg PLT | Total<br>After Oct 1 | ALT<br>Prior to Oct 1                               | ALT<br>After Oct 1 | Mfg PLT | Total<br>After Oct 1 |
| 1                                                                        | New MFG - Name - New<br>MFG - Loc | -                              | -              | -            | -                                                                         | -                  | -       | -                    | -                                                   | -                  | -       | -                    |

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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|----------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------|----------------------|-------------------|---------------|----------------------|-------------------|---------------------------------------------------------------------------|----------------------|-------------------|---------------|----------------------|---------------------|--------------------------------------------------------|----------------------|-------------------|---------------|----------------------|---------------|--|--|
| Exhibit P-5, Cost Analysis: PB 2016 Navy                                                                                               |                   |               |                      |                   |               |                      |                   |                                                                           |                      |                   |               |                      | Date: February 2015 |                                                        |                      |                   |               |                      |               |  |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 6                                                               |                   |               |                      |                   |               |                      |                   | P-1 Line Item Number / Title:<br>5509 / Explosive Ordnance Disposal Equip |                      |                   |               |                      |                     | Item Number / Title [DODIC]:<br>2 / EOD - CREW and OCO |                      |                   |               |                      |               |  |  |
| ID Code (A=Service Ready, B=Not Service Ready) :                                                                                       |                   |               |                      |                   |               |                      |                   |                                                                           |                      | MDAP/MAIS Code:   |               |                      |                     |                                                        |                      |                   |               |                      |               |  |  |
| Resource Summary                                                                                                                       |                   |               |                      | Prior Years       |               |                      | FY 2014           |                                                                           |                      | FY 2015           |               |                      | FY 2016 Base        |                                                        |                      | FY 2016 OCO       |               |                      | FY 2016 Total |  |  |
| Procurement Quantity <i>(Units in Each)</i>                                                                                            |                   |               |                      | -                 |               |                      | -                 |                                                                           |                      | -                 |               |                      | -                   |                                                        |                      | -                 |               |                      | -             |  |  |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                       |                   |               |                      | 79.539            |               |                      | 115.706           |                                                                           |                      | 107.752           |               |                      | 3.227               |                                                        |                      | -                 |               |                      | 3.227         |  |  |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                    |                   |               |                      | -                 |               |                      | -                 |                                                                           |                      | -                 |               |                      | -                   |                                                        |                      | -                 |               |                      | -             |  |  |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                           |                   |               |                      | 79.539            |               |                      | 115.706           |                                                                           |                      | 107.752           |               |                      | 3.227               |                                                        |                      | -                 |               |                      | 3.227         |  |  |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                    |                   |               |                      | -                 |               |                      | -                 |                                                                           |                      | -                 |               |                      | -                   |                                                        |                      | -                 |               |                      | -             |  |  |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                     |                   |               |                      | 79.539            |               |                      | 115.706           |                                                                           |                      | 107.752           |               |                      | 3.227               |                                                        |                      | -                 |               |                      | 3.227         |  |  |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) |                   |               |                      |                   |               |                      |                   |                                                                           |                      |                   |               |                      |                     |                                                        |                      |                   |               |                      |               |  |  |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                 |                   |               |                      | -                 |               |                      | -                 |                                                                           |                      | -                 |               |                      | -                   |                                                        |                      | -                 |               |                      | -             |  |  |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                   |                   |               |                      | -                 |               |                      | -                 |                                                                           |                      | -                 |               |                      | -                   |                                                        |                      | -                 |               |                      | -             |  |  |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.                                                |                   |               |                      |                   |               |                      |                   |                                                                           |                      |                   |               |                      |                     |                                                        |                      |                   |               |                      |               |  |  |
| Cost Elements                                                                                                                          | Prior Years       |               |                      | FY 2014           |               |                      | FY 2015           |                                                                           |                      | FY 2016 Base      |               |                      | FY 2016 OCO         |                                                        |                      | FY 2016 Total     |               |                      |               |  |  |
|                                                                                                                                        | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each)                                                             | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$)   | Qty<br>(Each)                                          | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) |               |  |  |
| Hardware - VN870 - JOINT CREW Cost                                                                                                     |                   |               |                      |                   |               |                      |                   |                                                                           |                      |                   |               |                      |                     |                                                        |                      |                   |               |                      |               |  |  |
| Non Recurring Cost                                                                                                                     |                   |               |                      |                   |               |                      |                   |                                                                           |                      |                   |               |                      |                     |                                                        |                      |                   |               |                      |               |  |  |
| 1.1.1) JOINT CREW <sup>(†)</sup><br>(1)                                                                                                | -                 | -             | 0.000                | -                 | -             | -                    | 141,440.00        | 25                                                                        | 3.536                | 117,160.00        | 25            | 2.929                | -                   | -                                                      | -                    | 117,160.00        | 25            | 2.929                |               |  |  |
| 1.1.2) JOINT CREW<br>(MOUNTED)                                                                                                         | -                 | -             | 21.250               | -                 | -             | -                    | -                 | -                                                                         | -                    | -                 | -             | -                    | -                   | -                                                      | -                    | -                 | -             | -                    |               |  |  |
| 1.1.3) JOINT CREW<br>(DISMOUNTED)                                                                                                      | -                 | -             | 5.000                | -                 | -             | -                    | -                 | -                                                                         | -                    | -                 | -             | -                    | -                   | -                                                      | -                    | -                 | -             | -                    |               |  |  |
| 1.1.4) JOINT CREW<br>(FIXED SITE)                                                                                                      | -                 | -             | 13.649               | -                 | -             | -                    | -                 | -                                                                         | -                    | -                 | -             | -                    | -                   | -                                                      | -                    | -                 | -             | -                    |               |  |  |
| 1.1.5) TECH<br>INSERTION and<br>REFRESH                                                                                                | -                 | -             | 0.001                | -                 | -             | -                    | -                 | -                                                                         | -                    | -                 | -             | -                    | -                   | -                                                      | -                    | -                 | -             | -                    |               |  |  |
| Subtotal: Non Recurring<br>Cost                                                                                                        | -                 | -             | 39.900               | -                 | -             | -                    | -                 | -                                                                         | 3.536                | -                 | -             | 2.929                | -                   | -                                                      | -                    | -                 | -             | 2.929                |               |  |  |
| Subtotal: Hardware - VN870<br>- JOINT CREW Cost                                                                                        | -                 | -             | 39.900               | -                 | -             | -                    | -                 | -                                                                         | 3.536                | -                 | -             | 2.929                | -                   | -                                                      | -                    | -                 | -             | 2.929                |               |  |  |
| Hardware - VNG82 - OCO SUPPLEMENTAL (FY 15) (OEF-A) Cost                                                                               |                   |               |                      |                   |               |                      |                   |                                                                           |                      |                   |               |                      |                     |                                                        |                      |                   |               |                      |               |  |  |
| Non Recurring Cost                                                                                                                     |                   |               |                      |                   |               |                      |                   |                                                                           |                      |                   |               |                      |                     |                                                        |                      |                   |               |                      |               |  |  |
| 2.1.1) JCREW OCO<br>(FY15) (OEF-A) <sup>(†)</sup>                                                                                      | -                 | -             | 0.000                | -                 | -             | -                    | 189,306.01        | 183                                                                       | 34.643               | -                 | -             | -                    | -                   | -                                                      | -                    | -                 | -             | -                    |               |  |  |
| 2.1.2) Prior Year<br>Funding                                                                                                           | -                 | -             | 35.494               | -                 | -             | -                    | -                 | -                                                                         | -                    | -                 | -             | -                    | -                   | -                                                      | -                    | -                 | -             | -                    |               |  |  |
| Subtotal: Non Recurring<br>Cost                                                                                                        | -                 | -             | 35.494               | -                 | -             | -                    | -                 | -                                                                         | 34.643               | -                 | -             | -                    | -                   | -                                                      | -                    | -                 | -             | -                    |               |  |  |



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| Exhibit P-5, Cost Analysis: PB 2016 Navy                                                |                   |               |                      |                   |               |                                                                           |                   |               |                      |                   |               | Date: February 2015                                    |                   |               |                      |                   |               |                      |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 6                |                   |               |                      |                   |               | P-1 Line Item Number / Title:<br>5509 / Explosive Ordnance Disposal Equip |                   |               |                      |                   |               | Item Number / Title [DODIC]:<br>2 / EOD - CREW and OCO |                   |               |                      |                   |               |                      |
| ID Code (A=Service Ready, B=Not Service Ready) :                                        |                   |               |                      |                   |               |                                                                           |                   |               |                      | MDAP/MAIS Code:   |               |                                                        |                   |               |                      |                   |               |                      |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding. |                   |               |                      |                   |               |                                                                           |                   |               |                      |                   |               |                                                        |                   |               |                      |                   |               |                      |
| Cost Elements                                                                           | Prior Years       |               |                      | FY 2014           |               |                                                                           | FY 2015           |               |                      | FY 2016 Base      |               |                                                        | FY 2016 OCO       |               |                      | FY 2016 Total     |               |                      |
|                                                                                         | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M)                                                      | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M)                                   | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) |
| Subtotal: Hardware - VNG82<br>- OCO SUPPLEMENTAL<br>(FY 15) (OEF-A) Cost                | -                 | -             | 35.494               | -                 | -             | -                                                                         | -                 | -             | 34.643               | -                 | -             | -                                                      | -                 | -             | -                    | -                 | -             | -                    |
| Hardware - VNG86 - OCO SUPPLEMENTAL (FY12) (OND) Cost                                   |                   |               |                      |                   |               |                                                                           |                   |               |                      |                   |               |                                                        |                   |               |                      |                   |               |                      |
| Non Recurring Cost                                                                      |                   |               |                      |                   |               |                                                                           |                   |               |                      |                   |               |                                                        |                   |               |                      |                   |               |                      |
| 3.1.1) Prior Year<br>Funding                                                            | -                 | -             | 1.000                | -                 | -             | -                                                                         | -                 | -             | -                    | -                 | -             | -                                                      | -                 | -             | -                    | -                 | -             | -                    |
| Subtotal: Non Recurring<br>Cost                                                         | -                 | -             | 1.000                | -                 | -             | -                                                                         | -                 | -             | -                    | -                 | -             | -                                                      | -                 | -             | -                    | -                 | -             | -                    |
| Subtotal: Hardware - VNG86<br>- OCO SUPPLEMENTAL<br>(FY12) (OND) Cost                   | -                 | -             | 1.000                | -                 | -             | -                                                                         | -                 | -             | -                    | -                 | -             | -                                                      | -                 | -             | -                    | -                 | -             | -                    |
| Hardware - VNG83 - OCO SUPPLEMENTAL (FY 15) (OEF-HOA) Cost                              |                   |               |                      |                   |               |                                                                           |                   |               |                      |                   |               |                                                        |                   |               |                      |                   |               |                      |
| Non Recurring Cost                                                                      |                   |               |                      |                   |               |                                                                           |                   |               |                      |                   |               |                                                        |                   |               |                      |                   |               |                      |
| 4.1.1) JCREW OCO<br>(FY15) (OEF-HOA) <sup>(†)</sup>                                     | -                 | -             | 0.000                | -                 | -             | -                                                                         | 189,306.01        | 183           | 34.643               | -                 | -             | -                                                      | -                 | -             | -                    | -                 | -             | -                    |
| 4.1.2) Prior Year<br>Funding                                                            | -                 | -             | 1.000                | -                 | -             | -                                                                         | -                 | -             | -                    | -                 | -             | -                                                      | -                 | -             | -                    | -                 | -             | -                    |
| Subtotal: Non Recurring<br>Cost                                                         | -                 | -             | 1.000                | -                 | -             | -                                                                         | -                 | -             | 34.643               | -                 | -             | -                                                      | -                 | -             | -                    | -                 | -             | -                    |
| Subtotal: Hardware - VNG83<br>- OCO SUPPLEMENTAL<br>(FY 15) (OEF-HOA) Cost              | -                 | -             | 1.000                | -                 | -             | -                                                                         | -                 | -             | 34.643               | -                 | -             | -                                                      | -                 | -             | -                    | -                 | -             | -                    |
| Hardware - VNG84- JCREW OCO SUPPLEMENTAL (FY 15) (OEF-T) Cost                           |                   |               |                      |                   |               |                                                                           |                   |               |                      |                   |               |                                                        |                   |               |                      |                   |               |                      |
| Non Recurring Cost                                                                      |                   |               |                      |                   |               |                                                                           |                   |               |                      |                   |               |                                                        |                   |               |                      |                   |               |                      |
| 5.1.1) JCREW OCO<br>(FY15) (OEF-T) <sup>(†)</sup>                                       | -                 | -             | 0.000                | -                 | -             | -                                                                         | 189,311.48        | 183           | 34.644               | -                 | -             | -                                                      | -                 | -             | -                    | -                 | -             | -                    |
| Subtotal: Non Recurring<br>Cost                                                         | -                 | -             | 0.000                | -                 | -             | -                                                                         | -                 | -             | 34.644               | -                 | -             | -                                                      | -                 | -             | -                    | -                 | -             | -                    |
| Subtotal: Hardware -<br>VNG84- JCREW OCO<br>SUPPLEMENTAL (FY 15)<br>(OEF-T) Cost        | -                 | -             | 0.000                | -                 | -             | -                                                                         | -                 | -             | 34.644               | -                 | -             | -                                                      | -                 | -             | -                    | -                 | -             | -                    |
| Hardware - VNE85 - EOD OCO SUPPLEMENTAL (FY 14) (OEF-T) Cost                            |                   |               |                      |                   |               |                                                                           |                   |               |                      |                   |               |                                                        |                   |               |                      |                   |               |                      |
| Non Recurring Cost                                                                      |                   |               |                      |                   |               |                                                                           |                   |               |                      |                   |               |                                                        |                   |               |                      |                   |               |                      |
| 6.1.1) EOD OCO<br>SUPPLEMENTAL (FY<br>14) (OEF-T)                                       | -                 | -             | 0.000                | -                 | -             | 11.495                                                                    | -                 | -             | -                    | -                 | -             | -                                                      | -                 | -             | -                    | -                 | -             | -                    |
| Subtotal: Non Recurring<br>Cost                                                         | -                 | -             | 0.000                | -                 | -             | 11.495                                                                    | -                 | -             | -                    | -                 | -             | -                                                      | -                 | -             | -                    | -                 | -             | -                    |

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| Exhibit P-5, Cost Analysis: PB 2016 Navy                                                |                   |               |                      |                   |               |                                                                           |                   |               |                      |                   |               |                      | Date: February 2015                                    |               |                      |                   |               |                      |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 6                |                   |               |                      |                   |               | P-1 Line Item Number / Title:<br>5509 / Explosive Ordnance Disposal Equip |                   |               |                      |                   |               |                      | Item Number / Title [DODIC]:<br>2 / EOD - CREW and OCO |               |                      |                   |               |                      |
| ID Code (A=Service Ready, B=Not Service Ready) :                                        |                   |               |                      |                   |               |                                                                           |                   |               |                      | MDAP/MAIS Code:   |               |                      |                                                        |               |                      |                   |               |                      |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding. |                   |               |                      |                   |               |                                                                           |                   |               |                      |                   |               |                      |                                                        |               |                      |                   |               |                      |
| Cost Elements                                                                           | Prior Years       |               |                      | FY 2014           |               |                                                                           | FY 2015           |               |                      | FY 2016 Base      |               |                      | FY 2016 OCO                                            |               |                      | FY 2016 Total     |               |                      |
|                                                                                         | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M)                                                      | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$)                                      | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) |
| Subtotal: Hardware - VNE85 - EOD OCO SUPPLEMENTAL (FY 14) (OEF-T) Cost                  | -                 | -             | 0.000                | -                 | -             | 11.495                                                                    | -                 | -             | -                    | -                 | -             | -                    | -                                                      | -             | -                    | -                 | -             | -                    |
| Hardware - VNC85 - CREW OCO SUPPLEMENTAL (FY 14) (OEF-T) Cost                           |                   |               |                      |                   |               |                                                                           |                   |               |                      |                   |               |                      |                                                        |               |                      |                   |               |                      |
| Non Recurring Cost                                                                      |                   |               |                      |                   |               |                                                                           |                   |               |                      |                   |               |                      |                                                        |               |                      |                   |               |                      |
| 7.1.1) CREW OCO SUPPLEMENTAL (FY 14) (OEF-T)                                            | -                 | -             | 0.000                | -                 | -             | 103.930                                                                   | -                 | -             | -                    | -                 | -             | -                    | -                                                      | -             | -                    | -                 | -             | -                    |
| Subtotal: Non Recurring Cost                                                            | -                 | -             | 0.000                | -                 | -             | 103.930                                                                   | -                 | -             | -                    | -                 | -             | -                    | -                                                      | -             | -                    | -                 | -             | -                    |
| Subtotal: Hardware - VNC85 - CREW OCO SUPPLEMENTAL (FY 14) (OEF-T) Cost                 | -                 | -             | 0.000                | -                 | -             | 103.930                                                                   | -                 | -             | -                    | -                 | -             | -                    | -                                                      | -             | -                    | -                 | -             | -                    |
| Support - VNTNG - INITIAL TRAINING Cost                                                 |                   |               |                      |                   |               |                                                                           |                   |               |                      |                   |               |                      |                                                        |               |                      |                   |               |                      |
| 8.1) INITIAL TRAINING                                                                   | -                 | -             | 2.145                | -                 | -             | 0.281                                                                     | -                 | -             | 0.286                | -                 | -             | 0.298                | -                                                      | -             | -                    | -                 | -             | 0.298                |
| Subtotal: Support - VNTNG - INITIAL TRAINING Cost                                       | -                 | -             | 2.145                | -                 | -             | 0.281                                                                     | -                 | -             | 0.286                | -                 | -             | 0.298                | -                                                      | -             | -                    | -                 | -             | 0.298                |
| Gross/Weapon System Cost                                                                | -                 | -             | 79.539               | -                 | -             | 115.706                                                                   | -                 | -             | 107.752              | -                 | -             | 3.227                | -                                                      | -             | -                    | -                 | -             | 3.227                |

(t) indicates the presence of a P-5a

**Footnotes:**

(1) FY15 supports initial JCREW testing and procurement.

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| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy             |             |      |                                                                           |                                      |                 |               |                              |                                                        | Date: February 2015      |                        |                               |                      |
|--------------------------------------------------------------------------|-------------|------|---------------------------------------------------------------------------|--------------------------------------|-----------------|---------------|------------------------------|--------------------------------------------------------|--------------------------|------------------------|-------------------------------|----------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 6 |             |      | P-1 Line Item Number / Title:<br>5509 / Explosive Ordnance Disposal Equip |                                      |                 |               |                              | Item Number / Title [DODIC]:<br>2 / EOD - CREW and OCO |                          |                        |                               |                      |
| Cost Elements                                                            | O<br>C<br>O | FY   | Contractor and Location                                                   | Method/Type<br>or<br>Funding Vehicle | Location of PCO | Award<br>Date | Date<br>of First<br>Delivery | Qty<br><i>(Each)</i>                                   | Unit Cost<br><i>(\$)</i> | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |
| 1.1.1) JOINT CREW                                                        |             | 2015 | NGC / San Diego, CA                                                       | C / FPIF                             | NAVSEA          | Jun 2015      | Dec 2015                     | 25                                                     | 141,440.00               | Y                      |                               | Oct 2014             |
| 1.1.1) JOINT CREW                                                        |             | 2016 | NGC / San Diego, CA                                                       | C / FPIF                             | NAVSEA          | Feb 2016      | Aug 2016                     | 25                                                     | 117,160.00               | Y                      |                               | Oct 2014             |
| 2.1.1) JCREW OCO (FY15) (OEF-A)                                          | ✓           | 2015 | NGC / San Diego, CA                                                       | C / CPIF                             | NAVSEA          | Jun 2015      | Dec 2015                     | 183                                                    | 189,306.01               | Y                      |                               | Oct 2014             |
| 4.1.1) JCREW OCO (FY15) (OEF-HOA)                                        | ✓           | 2015 | NGC / San Diego, CA                                                       | C / CPIF                             | NAVSEA          | Jun 2015      | Dec 2015                     | 183                                                    | 189,306.01               | Y                      |                               | Oct 2014             |
| 5.1.1) JCREW OCO (FY15) (OEF-T)                                          | ✓           | 2015 | NGC / San Diego, CA                                                       | C / CPIF                             | NAVSEA          | Jun 2015      | Dec 2015                     | 183                                                    | 189,311.48               | Y                      |                               | Oct 2014             |

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                |                                           |                     |                    |                      |                                                                            |                                        |                | <b>Date:</b> February 2015 |                    |                   |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 6:<br>Other Ordnance Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                    |                |                                           |                     |                    |                      | <b>P-1 Line Item Number / Title:</b><br>5543 / Items Less Than \$5 Million |                                        |                |                            |                    |                   |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                | <b>Program Elements for Code B Items:</b> |                     |                    |                      |                                                                            | <b>Other Related Program Elements:</b> |                |                            |                    |                   |
| <b>Resource Summary</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b>                            | <b>FY 2016 Base</b> | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b>                                                             | <b>FY 2018</b>                         | <b>FY 2019</b> | <b>FY 2020</b>             | <b>To Complete</b> | <b>Total</b>      |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                          | -                                      | -              | -                          | -                  | -                 |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 40.508             | 14.180         | 10.759                                    | 9.906               | -                  | 9.906                | 6.558                                                                      | 5.446                                  | 5.649          | 5.767                      | Continuing         | Continuing        |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                          | -                                      | -              | -                          | -                  | -                 |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 40.508             | 14.180         | 10.759                                    | 9.906               | -                  | 9.906                | 6.558                                                                      | 5.446                                  | 5.649          | 5.767                      | Continuing         | Continuing        |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                          | -                                      | -              | -                          | -                  | -                 |
| <b>Total Obligation Authority</b> <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>40.508</b>      | <b>14.180</b>  | <b>10.759</b>                             | <b>9.906</b>        | <b>-</b>           | <b>9.906</b>         | <b>6.558</b>                                                               | <b>5.446</b>                           | <b>5.649</b>   | <b>5.767</b>               | <b>Continuing</b>  | <b>Continuing</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                |                                           |                     |                    |                      |                                                                            |                                        |                |                            |                    |                   |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                  | -              | 0.204                                     | -                   | -                  | -                    | -                                                                          | -                                      | -              | -                          | -                  | 0.204             |
| Flyaway Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                          | -                                      | -              | -                          | -                  | -                 |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                  | -              | -                                         | -                   | -                  | -                    | -                                                                          | -                                      | -              | -                          | -                  | -                 |
| <p><b>Description:</b><br/> [P40A / RA004 - QUALITY EVAL TECH &amp; EQUIPMENT (QETE)]: Provides funding to procure test systems and equipment in support of the Navy weapons systems and ordnance Quality Evaluation (QE) Program. The purpose of the Navy QE Program is to insure that only safe, quality, reliable, and ready Navy and Marine Corps weapons systems and ordnance items are provided to the Fleet. The results of the QE stock surveillance testing is technical readiness data used to predict when items degrade to the point where they become unsafe to store or would fail to function (unreliable) when needed and should be removed from service.</p> <p>This generic (non-weapons systems specific) test equipment is needed to assess the effects of aging and exposure to environmental conditions on Navy weapons systems and ordnance such as mines, gun ammunition, missiles, pyrotechnics, demolition systems/devices, bombs, and torpedoes throughout the in-service portion of their life cycle and will be located at NAVSEA engineering field activities. Requirements for the test equipment come from a need to replace or modernize obsolete or economically non-repairable equipment or to acquire new or expanded generic test capabilities when new evaluation techniques or process are needed. The equipments procured by these funds are generally "one of a kind" and are used to support generic Navy weapons systems and ordnance types. Weapons systems specific equipment is procured/funded via the individual weapons system Program Management offices. After the weapon specific equipment has entered the inventory, these funds adapt the capability, if feasible, to become more generic and support more than one weapon system. This reduces the overall economic burden to the Navy.</p> <p>[P40A / RA005 - FLEET MINE SUPPORT EQUIPMENT]: Mine Countermeasure Targets are used to emulate both physically and electronically Foreign mine threats for Fleet training, exercises, ranges, and platform and system validation. Instrumented Mine Countermeasures (MCM) Targets can be programmed to behave and function like real foreign mine threats for mine sweeping and platform validation where non-instrumented Mine Countermeasure Targets emulate foreign threats physically for mine hunting training and system validation. Non-instrumented MCM Targets are also used for mine neutralization training and validation.</p> <p>[P40A / RA001 - FLT SUPPORT ORDALT PROCUREMENT (MK92)]: Provides hardware and related materials to modify Fire Control System MK92 Mod 2/6 installed onboard FFG 7 Class ships. Modifications correct safety, environmental, Reliability, Maintainability and Availability (RM&amp;A), cost of ownership and obsolescence deficiencies to maintain the readiness of the Anti-Aircraft Warfare/Anti-Surface Warfare (AAW/ASUW) Weapons System mission for self and area defense against hostile air and surface threats, including anti-ship missile threats. Hardware is procured as Ordnance Alterations (ORDALTs). Installation of ORDALTs will be accomplished by either AIT (Alteration Installation Teams) or in conjunction with routine repair actions planned in the fiscal years following the procurement.</p> <p>[P40A / RA4M6 - FMP INSTALLATION]: Provides funding to install procured MK92 ORDALTs into FFG 7 Class ships by AIT.</p> |                    |                |                                           |                     |                    |                      |                                                                            |                                        |                |                            |                    |                   |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------------|
| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    | Date: February 2015                                                 |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 6:<br>Other Ordnance Support Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                    | P-1 Line Item Number / Title:<br>5543 / Items Less Than \$5 Million |
| ID Code (A=Service Ready, B=Not Service Ready) : B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Program Elements for Code B Items: | Other Related Program Elements:                                     |
| <p>[P40A / RA006 - GRIFFIN MISSILE SYSTEM (GMS)]: The Griffin Missile System (GMS) will provide precision, short range, anti-surface warfare attack capability against Fast Inshore Attack Craft (FIAC) targets. The GMS provides these capabilities through the use of Griffin Missile (procured separately with WPN funding) and GMS ship set integrated on a Patrol Coastal (PC). A GMS ship set consists of the following components: Electro-Optical Infra-Red sensor with laser designator, two Launchers and associated equipment, Weapons Control System including cabling, connectors, graphical user interface, and Operator Interface Station. System Install &amp; Check-Out is included.</p> <p>[P40A / RA007 - GRIFFIN MISSILE SYSTEM (GMS) INITIAL TECHNICAL REFRESH]: This line supports major initial replacement systems for the Griffin Missile (GMS) Program to include Sensor balls, battle management system, launcher/Launcher components. Funding also procures all technical refresh upgrades of the GMS hardware and software aboard Patrol Coastal (PC) ships. Upgrades will include: Battlefield Management System (BMS) workstation hardware, latest version of BMS system software, and refresher training. Funds will also support management of contractor efforts, preparation of installation plans, performance of ship checks, procurement of materials, oversight of shipboard installation and Quality Assurance (QA), installation and testing of all software and shipboard training.</p> <p>[P40A / RA003 - INDUSTRIAL FACILITIES (CALIB. EQUIP)]: Provides funding for capital type rehabilitation projects at two (2) government-owned, contractor- operated (GOCO) plants for weapon systems. Federal Acquisition Regulation Part 52.245-7 specifies facilities use contracts require government funding of capital type rehabilitation projects to support and maintain these facilities. These plants have an average age of 45 years and lack of proper maintenance will severely limit capabilities to maintain scheduled production rates and overall productivity. Estimates support environmental, safety, energy conservation, and major repair at the GOCO facilities.</p> |                                    |                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                    |                                                                     |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                |             |       |                                          |                                                                     |                                          | Date: February 2015                      |                                          |                                          |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 6:<br>Other Ordnance Support Equipment |             |       |                                          | P-1 Line Item Number / Title:<br>5543 / Items Less Than \$5 Million |                                          |                                          |                                          |                                          |
| ID Code (A=Service Ready, B=Not Service Ready) : B                                                                                                                        |             |       | Program Elements for Code B Items:       |                                                                     |                                          | Other Related Program Elements:          |                                          |                                          |
| Exhibits Schedule                                                                                                                                                         |             |       | Prior Years                              | FY 2014                                                             | FY 2015                                  | FY 2016 Base                             | FY 2016 OCO                              | FY 2016 Total                            |
| Title*                                                                                                                                                                    | Exhibits    | ID CD | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M)                            | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) | Quantity / Total Cost<br>(Each) / (\$ M) |
| Items Less Than \$5 Million                                                                                                                                               | P-40a, P-5a |       | - / 40.508                               | - / 14.180                                                          | - / 9.906                                | - / 9.906                                | - / -                                    | - / 9.906                                |
| Total Gross/Weapon System Cost                                                                                                                                            |             |       | - / 40.508                               | - / 14.180                                                          | - / 10.759                               | - / 9.906                                | - / -                                    | - / 9.906                                |

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy               |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   | Date: February 2015                                    |            |                   |                |            |                   |
|-------------------------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|---------------------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|--------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 6                  |       |                |                |            |                   |                |            |                   | P-1 Line Item Number / Title:<br>5543 / Items Less Than \$5 Million |            |                   |                |            |                   | Aggregated Items Title:<br>Items Less Than \$5 Million |            |                   |                |            |                   |
| Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding. |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   |                                                        |            |                   |                |            |                   |
| Item Number / Title [DODIC]                                                               | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015                                                             |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO                                            |            |                   | FY 2016 Total  |            |                   |
|                                                                                           |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                                      | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                         | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) MAINTENANCE SUPPORT ACTIVITIES                                                         |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   |                                                        |            |                   |                |            |                   |
| 1.1) RA004 - QUALITY EVAL TECH & EQUIPMENT (QETE)                                         | B     |                | -              | -          | 13.721            | -              | -          | 1.594             | -                                                                   | -          | 1.619             | -              | -          | 1.640             | -                                                      | -          | -                 | -              | -          | 1.640             |
| Subtotal: 1) MAINTENANCE SUPPORT ACTIVITIES                                               |       |                | -              | -          | 13.721            | -              | -          | 1.594             | -                                                                   | -          | 1.619             | -              | -          | 1.640             | -                                                      | -          | -                 | -              | -          | 1.640             |
| 2) MINE COUNTERMEASURES FORCES                                                            |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   |                                                        |            |                   |                |            |                   |
| 2.1) RA005 - FLEET MINE SUPPORT EQUIPMENT                                                 | B     |                | -              | -          | 1.490             | -              | -          | 3.245             | -                                                                   | -          | 2.578             | -              | -          | 2.616             | -                                                      | -          | -                 | -              | -          | 2.616             |
| Subtotal: 2) MINE COUNTERMEASURES FORCES                                                  |       |                | -              | -          | 1.490             | -              | -          | 3.245             | -                                                                   | -          | 2.578             | -              | -          | 2.616             | -                                                      | -          | -                 | -              | -          | 2.616             |
| 3) FRIGATES - MISSILE                                                                     |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   |                                                        |            |                   |                |            |                   |
| 3.1) RA001 - FLT SUPPORT ORDALT PROCUREMENT (MK92)                                        | A     |                | 713,777.78     | 9          | 6.424             | -              | -          | 0.719             | -                                                                   | -          | -                 | -              | -          | -                 | -                                                      | -          | -                 | -              | -          | -                 |
| 3.2) RA4M6 - FMP INSTALLATION <sup>(†)</sup>                                              | A     |                | 106,750.00     | 8          | 0.854             | 33,333.33      | 3          | 0.100             | -                                                                   | -          | -                 | -              | -          | -                 | -                                                      | -          | -                 | -              | -          | -                 |
| 3.3) RA006 - GRIFFIN MISSILE SYSTEM (GMS) <sup>(†)</sup>                                  | A     |                | -              | -          | 11.193            | 1,609K         | 5          | 8.046             | -                                                                   | -          | 5.400             | -              | -          | -                 | -                                                      | -          | -                 | -              | -          | -                 |
| 3.4) RA007 - GRIFFIN MISSILE SYSTEM (GMS) INITIAL TECHNICAL REFRESH                       | A     |                | -              | -          | -                 | -              | -          | -                 | -                                                                   | -          | 1.162             | -              | -          | 5.151             | -                                                      | -          | -                 | -              | -          | 5.151             |
| Subtotal: 3) FRIGATES - MISSILE                                                           |       |                | -              | -          | 18.471            | -              | -          | 8.865             | -                                                                   | -          | 6.562             | -              | -          | 5.151             | -                                                      | -          | -                 | -              | -          | 5.151             |
| 4) GOCO FACILITIES                                                                        |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   |                                                        |            |                   |                |            |                   |
| 4.1) RA003 - INDUSTRIAL FACILITIES (CALIB. EQUIP) <sup>(†)</sup>                          | A     |                | 3,413K         | 2          | 6.826             | 476,000.00     | 1          | 0.476             | -                                                                   | -          | -                 | 499,000.00     | 1          | 0.499             | -                                                      | -          | -                 | 499,000.00     | 1          | 0.499             |
| Subtotal: 4) GOCO FACILITIES                                                              |       |                | -              | -          | 6.826             | -              | -          | 0.476             | -                                                                   | -          | -                 | -              | -          | 0.499             | -                                                      | -          | -                 | -              | -          | 0.499             |
| Total                                                                                     |       |                | -              | -          | 40.508            | -              | -          | 14.180            | -                                                                   | -          | 10.759            | -              | -          | 9.906             | -                                                      | -          | -                 | -              | -          | 9.906             |
|                                                                                           |       |                |                |            |                   |                |            |                   |                                                                     |            |                   |                |            |                   |                                                        |            |                   |                |            |                   |



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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy</b> |                                                                            | <b>Date:</b> February 2015                                    |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 6    | <b>P-1 Line Item Number / Title:</b><br>5543 / Items Less Than \$5 Million | <b>Aggregated Items Title:</b><br>Items Less Than \$5 Million |

(†) indicates the presence of a P-5a

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| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy             |             |      |                                                                     |                                      |                 |               |                              | Date: February 2015                              |                          |                        |                               |                      |
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| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 6 |             |      | P-1 Line Item Number / Title:<br>5543 / Items Less Than \$5 Million |                                      |                 |               |                              | Aggregated Items:<br>Items Less Than \$5 Million |                          |                        |                               |                      |
| Item Number / Title [DODIC]                                              | O<br>C<br>O | FY   | Contractor and Location                                             | Method/Type<br>or<br>Funding Vehicle | Location of PCO | Award<br>Date | Date<br>of First<br>Delivery | Qty<br><i>(Each)</i>                             | Unit Cost<br><i>(\$)</i> | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |
| 3) FRIGATES - MISSILE                                                    |             |      |                                                                     |                                      |                 |               |                              |                                                  |                          |                        |                               |                      |
| 3.2) RA4M6 - FMP INSTALLATION                                            |             | 2014 | NSWC/PHD / PORT HUENEME, CA                                         | WR                                   | NAVSEA          | Jan 2015      | Jan 2015                     | 3                                                | 33,333.33                | Y                      |                               | Mar 2014             |
| 3.3) RA006 - GRIFFIN MISSILE SYSTEM (GMS)                                |             | 2014 | Naval Surface Warfare Center Dahlgren / Dahlgren, Va                | Various                              | NSWC/Dahlgren   | Dec 2013      | Sep 2014                     | 5                                                | 1,609K                   | Y                      |                               | Oct 2013             |
| 4) GOCO FACILITIES                                                       |             |      |                                                                     |                                      |                 |               |                              |                                                  |                          |                        |                               |                      |
| 4.1) RA003 - INDUSTRIAL FACILITIES (CALIB. EQUIP)                        |             | 2013 | TBD / TBD                                                           | MIPR                                 | DLA/AVIATION    | Feb 2015      | Aug 2015                     | 1                                                | 469,000.00               | Y                      |                               | Feb 2014             |
| 4.1) RA003 - INDUSTRIAL FACILITIES (CALIB. EQUIP)                        |             | 2014 | TBD / TBD                                                           | MIPR                                 | DLA/AVIATION    | Mar 2015      | Jul 2015                     | 1                                                | 476,000.00               | Y                      |                               | Mar 2014             |
| 4.1) RA003 - INDUSTRIAL FACILITIES (CALIB. EQUIP)                        |             | 2016 | TBD / TBD                                                           | C / TBD                              | DLA/AVIATION    | Feb 2016      | Jun 2016                     | 1                                                | 499,000.00               | N                      | Sep 2016                      | Oct 2015             |
|                                                                          |             |      |                                                                     |                                      |                 |               |                              |                                                  |                          |                        |                               |                      |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|------------------------------------|--------------|-------------|------------------------------------------------------------------------|---------|---------------------------------|---------|---------|-------------|---------|
| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |         |                                    |              |             |                                                                        |         | Date: February 2015             |         |         |             |         |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7:<br>Other Expendable Ordnance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |         |                                    |              |             | P-1 Line Item Number / Title:<br>5530 / Anti-ship Missile Decoy System |         |                                 |         |         |             |         |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |         | Program Elements for Code B Items: |              |             |                                                                        |         | Other Related Program Elements: |         |         |             |         |
| Resource Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Prior Years | FY 2014 | FY 2015                            | FY 2016 Base | FY 2016 OCO | FY 2016 Total                                                          | FY 2017 | FY 2018                         | FY 2019 | FY 2020 | To Complete | Total   |
| Procurement Quantity (Units in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -           | -       | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | -       |
| Gross/Weapon System Cost (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 596.248     | 62.361  | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | 658.609 |
| Less PY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -           | -       | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | -       |
| Net Procurement (P1) (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 596.248     | 62.361  | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | 658.609 |
| Plus CY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -           | -       | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | -       |
| Total Obligation Authority (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 596.248     | 62.361  | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | 658.609 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         |                                    |              |             |                                                                        |         |                                 |         |         |             |         |
| Initial Spares (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -           | 0.301   | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | 0.301   |
| Flyaway Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -           | -       | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | -       |
| Gross/Weapon System Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | -       | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | -       |
| Description:<br>The Anti-Ship Missile Decoy Program covers a family of decoys and the equipment to deploy them. It is an essential element of the Anti-Ship Missile Defense tactics to counter the threat of enemy homing missiles. NULKA is a joint program with Australia, and is currently in service with the Australian, Canadian, and United States Navies. This line contains various equipment and subsystems for a system which will provide the capability to defeat the effectiveness of hostile Anti-Ship cruise missiles. NULKA has been installed on the CG 47, DDG 51, FFG 7, LSD 41, and LSD 49 Classes in prior years. Installation on CVNs will begin in FY14 and will be installed on nine carriers. The DLF-3B decoy systems respond to an urgent operational need by providing an initial limited interim decoy capability to the fleet by 2014. |             |         |                                    |              |             |                                                                        |         |                                 |         |         |             |         |
| VV001: Procurement of MK 53 Decoy Launching Systems.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |         |                                    |              |             |                                                                        |         |                                 |         |         |             |         |
| VV002: Procurement of MK 234 NULKA Decoys.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |         |                                    |              |             |                                                                        |         |                                 |         |         |             |         |
| VV003: Engineering Changes and Logistics Support - Funding will procure Engineering Change Proposals (ECPs)/ORDALT Kits to ensure future tactical suitability and viability of NULKA and to address obsolescence, quality assurance, reliability, safety, Electromagnetic Interference (EMI), and diminishing manufacturing source issues. Additionally, funding will provide for updating Logistics including decoy and special purpose test equipment maintenance, provisioning, transportation, and training school support as required.                                                                                                                                                                                                                                                                                                                           |             |         |                                    |              |             |                                                                        |         |                                 |         |         |             |         |
| VV830: Production Engineering support to the MK 234 NULKA Decoy.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |         |                                    |              |             |                                                                        |         |                                 |         |         |             |         |
| VV831: Procurement of the commercially available DLF-3B decoy systems. A ship system consists of 6 decoys, 6 launch tubes, 2 spare decoys, and 1 control panel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |         |                                    |              |             |                                                                        |         |                                 |         |         |             |         |
| VV832: Procurement of DLF-3B Decoys/Spares.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |         |                                    |              |             |                                                                        |         |                                 |         |         |             |         |
| VV833: Logistics and Production support for DLF-3B systems.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |         |                                    |              |             |                                                                        |         |                                 |         |         |             |         |
| Equipment Installation: Funding is for the installation of NULKA Decoy Systems, Fleet Modernization Program installs, and installation of equipment at shore facilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |             |         |                                    |              |             |                                                                        |         |                                 |         |         |             |         |

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LI 5530 - Anti-ship Missile Decoy System  
Navy

**UNCLASSIFIED**

|                                                                                                                                                                                                                                                   |                      |              |                                                  |                                                  |                                                                               |                                                  |                                                  |                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------|--------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                 |                      |              |                                                  |                                                  |                                                                               |                                                  | <b>Date:</b> February 2015                       |                                                  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7:<br>Other Expendable Ordnance                                                                         |                      |              |                                                  |                                                  | <b>P-1 Line Item Number / Title:</b><br>5530 / Anti-ship Missile Decoy System |                                                  |                                                  |                                                  |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                         |                      |              | <b>Program Elements for Code B Items:</b>        |                                                  |                                                                               | <b>Other Related Program Elements:</b>           |                                                  |                                                  |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                          |                      |              | <b>Prior Years</b>                               | <b>FY 2014</b>                                   | <b>FY 2015</b>                                                                | <b>FY 2016 Base</b>                              | <b>FY 2016 OCO</b>                               | <b>FY 2016 Total</b>                             |
| <b>Title*</b>                                                                                                                                                                                                                                     | <b>Exhibits</b>      | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                              | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| ANTI SHIP MISSILE DECOY SYSTEM                                                                                                                                                                                                                    | P-40a, P-5a,<br>P-21 |              | - / 395.250                                      | - / 26.770                                       | - / -                                                                         | - / -                                            | - / -                                            | - / -                                            |
| 1 / VV001 NULKA SYSTEMS ()                                                                                                                                                                                                                        | P-3a                 |              | - / 113.851                                      | - / 5.723                                        | - / -                                                                         | - / -                                            | - / -                                            | - / -                                            |
| 2 / VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT ()                                                                                                                                                                                            | P-3a                 |              | - / 82.477                                       | - / 5.429                                        | - / -                                                                         | - / -                                            | - / -                                            | - / -                                            |
| 3 / VV831 - DLF-3B SYSTEMS ()                                                                                                                                                                                                                     | P-3a                 |              | - / 4.670                                        | - / 24.439                                       | - / -                                                                         | - / -                                            | - / -                                            | - / -                                            |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                             |                      |              | <b>- / 596.248</b>                               | <b>- / 62.361</b>                                | <b>- / -</b>                                                                  | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / -</b>                                     |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                          |                      |              | <b>FY 2017</b>                                   | <b>FY 2018</b>                                   | <b>FY 2019</b>                                                                | <b>FY 2020</b>                                   | <b>To Complete</b>                               | <b>Total</b>                                     |
| <b>Title*</b>                                                                                                                                                                                                                                     | <b>Exhibits</b>      | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                              | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| ANTI SHIP MISSILE DECOY SYSTEM                                                                                                                                                                                                                    | P-40a, P-5a,<br>P-21 |              | - / -                                            | - / -                                            | - / -                                                                         | - / -                                            | - / -                                            | - / -                                            |
| 1 / VV001 NULKA SYSTEMS ()                                                                                                                                                                                                                        | P-3a                 |              | - / -                                            | - / -                                            | - / -                                                                         | - / -                                            | - / -                                            | - / 119.574                                      |
| 2 / VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT ()                                                                                                                                                                                            | P-3a                 |              | - / -                                            | - / -                                            | - / -                                                                         | - / -                                            | - / -                                            | - / 87.906                                       |
| 3 / VV831 - DLF-3B SYSTEMS ()                                                                                                                                                                                                                     | P-3a                 |              | - / -                                            | - / -                                            | - / -                                                                         | - / -                                            | - / -                                            | - / 29.109                                       |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                             |                      |              | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / -</b>                                                                  | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / 658.609</b>                               |
| *Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown. |                      |              |                                                  |                                                  |                                                                               |                                                  |                                                  |                                                  |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.                                                                                                                                                                    |                      |              |                                                  |                                                  |                                                                               |                                                  |                                                  |                                                  |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  | <b>Date:</b> February 2015                                       |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5530 / Anti-ship Missile Decoy System |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>ANTI SHIP MISSILE DECOY SYSTEM |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                               | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|-----------------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                           |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) VV002 - NULKA DECOYS <sup>(1)</sup>                    |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) NULKA DECOYS <sup>(2)(†)</sup>                       | A     |                | 393,162.92     | 933        | 366.821           | 571,689.66     | 29         | 16.579            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) VV002 - NULKA DECOYS                         |       |                | -              | -          | 366.821           | -              | -          | 16.579            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2) VV830 - PRODUCTION ENGINEERING                         |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) PRODUCTION ENGINEERING                               | A     |                | -              | -          | 26.931            | -              | -          | 1.370             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 2) VV830 - PRODUCTION ENGINEERING               |       |                | -              | -          | 26.931            | -              | -          | 1.370             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3) VV832 - DLF-3B DECOYS                                  |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 3.1) VV832 DLF-3B DECOYS <sup>(†)</sup>                   | A     |                | -              | -          | -                 | 268,033.33     | 30         | 8.041             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 3) VV832 - DLF-3B DECOYS                        |       |                | -              | -          | 0.000             | -              | -          | 8.041             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 4) VV833 - DLF-3B LOGISTICS/PRODUCTION SUPPORT            |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 4.1) VV833 DLF-3B LOGISTICS/ PRODUCTION SUPPORT           | A     |                | -              | -          | 1.498             | -              | -          | 0.780             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 4) VV833 - DLF-3B LOGISTICS/ PRODUCTION SUPPORT |       |                | -              | -          | 1.498             | -              | -          | 0.780             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Total                                                     |       |                | -              | -          | 395.250           | -              | -          | 26.770            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

| Item Number / Title [DODIC]            | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|----------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                        |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) VV002 - NULKA DECOYS <sup>(1)</sup> |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) NULKA DECOYS <sup>(2)(†)</sup>    | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) VV002 - NULKA DECOYS      |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2) VV830 - PRODUCTION ENGINEERING      |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) PRODUCTION ENGINEERING            | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |       |                |                |            |                   |                                                                               |            |                   |                |            |                   |                |            |                   |                | <b>Date:</b> February 2015                                       |                   |                |            |                   |
|------------------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|-------------------------------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------------------------------------------------------------|-------------------|----------------|------------|-------------------|
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7    |       |                |                |            |                   | <b>P-1 Line Item Number / Title:</b><br>5530 / Anti-ship Missile Decoy System |            |                   |                |            |                   |                |            |                   |                | <b>Aggregated Items Title:</b><br>ANTI SHIP MISSILE DECOY SYSTEM |                   |                |            |                   |
| Item Number / Title [DODIC]                                                        | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018                                                                       |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |                                                                  |                   | Total Cost     |            |                   |
|                                                                                    |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                                                | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each)                                                       | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| Subtotal: 2) VV830 - PRODUCTION ENGINEERING                                        |       |                | -              | -          | -                 | -                                                                             | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -                                                                | -                 | -              | -          | -                 |
| <b>3) VV832 - DLF-3B DECOYS</b>                                                    |       |                |                |            |                   |                                                                               |            |                   |                |            |                   |                |            |                   |                |                                                                  |                   |                |            |                   |
| 3.1) VV832 DLF-3B DECOYS <sup>(1)</sup>                                            | A     |                | -              | -          | -                 | -                                                                             | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -                                                                | -                 | -              | -          | -                 |
| Subtotal: 3) VV832 - DLF-3B DECOYS                                                 |       |                | -              | -          | -                 | -                                                                             | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -                                                                | -                 | -              | -          | -                 |
| <b>4) VV833 - DLF-3B LOGISTICS/PRODUCTION SUPPORT</b>                              |       |                |                |            |                   |                                                                               |            |                   |                |            |                   |                |            |                   |                |                                                                  |                   |                |            |                   |
| 4.1) VV833 DLF-3B LOGISTICS/ PRODUCTION SUPPORT                                    | A     |                | -              | -          | -                 | -                                                                             | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -                                                                | -                 | -              | -          | -                 |
| Subtotal: 4) VV833 - DLF-3B LOGISTICS/ PRODUCTION SUPPORT                          |       |                | -              | -          | -                 | -                                                                             | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -                                                                | -                 | -              | -          | -                 |
| <b>Total</b>                                                                       |       |                | -              | -          | -                 | -                                                                             | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -                                                                | -                 | -              | -          | -                 |

(1) indicates the presence of a P-5a

**Footnotes:**

(1) The FY14 unit cost (\$572K) is based on a total procurement of 100 decoys (29 procured with 5530/OPN and 71 procured by Australia).

(2) Commencing in FY15, LI 5530 was consolidated under LI 5231 in FY15 and out.

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| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy             |             |      |                                                                        |                                      |                 |               |                              | Date: February 2015                                 |                   |                        |                               |                      |
|--------------------------------------------------------------------------|-------------|------|------------------------------------------------------------------------|--------------------------------------|-----------------|---------------|------------------------------|-----------------------------------------------------|-------------------|------------------------|-------------------------------|----------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7 |             |      | P-1 Line Item Number / Title:<br>5530 / Anti-ship Missile Decoy System |                                      |                 |               |                              | Aggregated Items:<br>ANTI SHIP MISSILE DECOY SYSTEM |                   |                        |                               |                      |
| Item Number / Title [DODIC]                                              | O<br>C<br>O | FY   | Contractor and Location                                                | Method/Type<br>or<br>Funding Vehicle | Location of PCO | Award<br>Date | Date<br>of First<br>Delivery | Qty<br>(Each)                                       | Unit Cost<br>(\$) | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |
| 1) VV002 - NULKA DECOYS                                                  |             |      |                                                                        |                                      |                 |               |                              |                                                     |                   |                        |                               |                      |
| 1.1) NULKA DECOYS <sup>(2)(†)</sup>                                      |             | 2010 | BAES / AUSTRALIA                                                       | C / FFP                              | DCMA PACIFIC    | Apr 2010      | Jun 2011                     | 51                                                  | 522,000.00        | Y                      |                               |                      |
| 1.1) NULKA DECOYS <sup>(2)(†)</sup>                                      |             | 2011 | BAES / AUSTRALIA                                                       | C / FFP                              | DCMA PACIFIC    | Jul 2011      | Sep 2012                     | 50                                                  | 576,000.00        | Y                      |                               |                      |
| 1.1) NULKA DECOYS <sup>(2)(†)</sup>                                      |             | 2012 | BAES / AUSTRALIA                                                       | C / FFP                              | DCMA PACIFIC    | Jul 2012      | Sep 2013                     | 45                                                  | 516,000.00        | Y                      |                               |                      |
| 1.1) NULKA DECOYS <sup>(2)(†)</sup>                                      |             | 2013 | BAES / AUSTRALIA                                                       | C / FFP                              | DCMA PACIFIC    | Jun 2013      | Aug 2014                     | 20                                                  | 609,450.00        | Y                      |                               |                      |
| 1.1) NULKA DECOYS <sup>(2)(†)</sup>                                      |             | 2014 | BAES / AUSTRALIA                                                       | C / FFP                              | DCMA PACIFIC    | May 2014      | Jul 2015                     | 29                                                  | 571,689.66        | Y                      |                               |                      |
| 3) VV832 - DLF-3B DECOYS                                                 |             |      |                                                                        |                                      |                 |               |                              |                                                     |                   |                        |                               |                      |
| 3.1) VV832 DLF-3B DECOYS                                                 |             | 2014 | AIRBORNE SYSTEMS / U.K.                                                | C / FFP                              | NSWC Crane      | Jun 2014      | Jun 2015                     | 30                                                  | 268,033.33        | Y                      |                               |                      |

<sup>(†)</sup> indicates the presence of a P-21



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| Exhibit P-21, Production Schedule: PB 2016 Navy                          |                  |      |         |             |                                        |                              |                    |             |             |                                                                        |             |             |             |             |             |             |             |             |                    |             |             |             | Date: February 2015                                 |             |             |             |             |             |             |             |             |             |
|--------------------------------------------------------------------------|------------------|------|---------|-------------|----------------------------------------|------------------------------|--------------------|-------------|-------------|------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------|-------------|-------------|-------------|-----------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7 |                  |      |         |             |                                        |                              |                    |             |             | P-1 Line Item Number / Title:<br>5530 / Anti-ship Missile Decoy System |             |             |             |             |             |             |             |             |                    |             |             |             | Aggregated Items:<br>ANTI SHIP MISSILE DECOY SYSTEM |             |             |             |             |             |             |             |             |             |
| Items<br><i>(Units in Each)</i>                                          |                  |      |         |             |                                        |                              | Fiscal Year 2010   |             |             |                                                                        |             |             |             |             |             |             |             |             | Fiscal Year 2011   |             |             |             |                                                     |             |             |             |             |             |             |             |             |             |
| O<br>C<br>O                                                              | M<br>F<br>R<br># | FY   | SERVICE | PROC<br>QTY | ACCEPT<br>PRIOR<br>TO 1<br>OCT<br>2009 | BAL<br>DUE<br>AS OF<br>1 OCT | Calendar Year 2010 |             |             |                                                                        |             |             |             |             |             |             |             |             | Calendar Year 2011 |             |             |             |                                                     |             |             |             |             |             |             |             | B<br>A<br>L |             |
|                                                                          |                  |      |         |             |                                        |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                                            | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B                                         | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P |             |             |
| 1) VV002 - NULKA DECOYS                                                  |                  |      |         |             |                                        |                              |                    |             |             |                                                                        |             |             |             |             |             |             |             |             |                    |             |             |             |                                                     |             |             |             |             |             |             |             |             |             |
| 1.1) NULKA DECOYS <sup>(2)</sup>                                         |                  |      |         |             |                                        |                              |                    |             |             |                                                                        |             |             |             |             |             |             |             |             |                    |             |             |             |                                                     |             |             |             |             |             |             |             |             |             |
| Prior Years Deliveries: 767                                              |                  |      |         |             |                                        |                              |                    |             |             |                                                                        |             |             |             |             |             |             |             |             |                    |             |             |             |                                                     |             |             |             |             |             |             |             |             |             |
|                                                                          | 13               | 2010 | NAVY    |             | 51                                     | -                            | 51                 |             |             |                                                                        |             |             |             | A -         | -           | -           | -           | -           | -                  | -           | -           | -           | -                                                   | -           | -           | -           | -           | 5           | 5           | 5           | 5           | 31          |
|                                                                          | 13               | 2011 | NAVY    |             | 50                                     | -                            | 50                 |             |             |                                                                        |             |             |             |             |             |             |             |             |                    |             |             |             |                                                     |             |             |             |             |             | A -         | -           | -           | 50          |
|                                                                          | 13               | 2012 | NAVY    |             | 45                                     | -                            | 45                 |             |             |                                                                        |             |             |             |             |             |             |             |             |                    |             |             |             |                                                     |             |             |             |             |             |             |             |             | 45          |
|                                                                          | 13               | 2013 | NAVY    |             | 20                                     | -                            | 20                 |             |             |                                                                        |             |             |             |             |             |             |             |             |                    |             |             |             |                                                     |             |             |             |             |             |             |             |             | 20          |
|                                                                          | 13               | 2014 | NAVY    |             | 29                                     | -                            | 29                 |             |             |                                                                        |             |             |             |             |             |             |             |             |                    |             |             |             |                                                     |             |             |             |             |             |             |             |             | 29          |
|                                                                          |                  |      |         |             |                                        |                              |                    | O<br>C<br>T | N<br>O<br>V | D<br>E<br>C                                                            | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P        | O<br>C<br>T | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                         | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |

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|--------------------------------------------------------------------------|------------------|------|---------|-------------|---------------------------------------------------------------------------|------------------------------|--------------------|------------------|-------------|------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------|------------------|-----------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|----|----|
| Exhibit P-21, Production Schedule: PB 2016 Navy                          |                  |      |         |             |                                                                           |                              |                    |                  |             |                                                                        |             |             |             |             |             |             |             |             |                    |                  | Date: February 2015                                 |             |             |             |             |             |             |             |             |             |             |             |   |    |    |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7 |                  |      |         |             |                                                                           |                              |                    |                  |             | P-1 Line Item Number / Title:<br>5530 / Anti-ship Missile Decoy System |             |             |             |             |             |             |             |             |                    |                  | Aggregated Items:<br>ANTI SHIP MISSILE DECOY SYSTEM |             |             |             |             |             |             |             |             |             |             |             |   |    |    |
| Items<br>(Units in Each)                                                 |                  |      |         |             |                                                                           |                              |                    | Fiscal Year 2012 |             |                                                                        |             |             |             |             |             |             |             |             |                    | Fiscal Year 2013 |                                                     |             |             |             |             |             |             |             |             |             |             |             |   |    |    |
| O<br>C<br>O                                                              | M<br>F<br>R<br># | FY   | SERVICE | PROC<br>QTY | ACCEP<br>T<br>P<br>R<br>I<br>O<br>R<br>T<br>O<br>1<br>O<br>C<br>T<br>2011 | BAL<br>DUE<br>AS OF<br>1 OCT | Calendar Year 2012 |                  |             |                                                                        |             |             |             |             |             |             |             |             | Calendar Year 2013 |                  |                                                     |             |             |             |             |             |             |             |             |             |             |             |   |    |    |
|                                                                          |                  |      |         |             |                                                                           |                              | O<br>C<br>T        | N<br>O<br>V      | D<br>E<br>C | J<br>A<br>N                                                            | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | O<br>C<br>T        | N<br>O<br>V      | D<br>E<br>C                                         | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |             |   |    |    |
|                                                                          |                  |      |         |             |                                                                           |                              |                    |                  |             |                                                                        |             |             |             |             |             |             |             |             |                    |                  |                                                     |             |             |             |             |             |             |             |             |             |             |             |   |    |    |
|                                                                          |                  |      |         |             |                                                                           |                              |                    |                  |             |                                                                        |             |             |             |             |             |             |             |             |                    |                  |                                                     |             |             |             |             |             |             |             |             |             |             |             |   |    |    |
|                                                                          |                  |      |         |             |                                                                           |                              |                    |                  |             |                                                                        |             |             |             |             |             |             |             |             |                    |                  |                                                     |             |             |             |             |             |             |             |             |             |             |             |   |    |    |
| 1) VV002 - NULKA DECOYS                                                  |                  |      |         |             |                                                                           |                              |                    |                  |             |                                                                        |             |             |             |             |             |             |             |             |                    |                  |                                                     |             |             |             |             |             |             |             |             |             |             |             |   |    |    |
| 1.1) NULKA DECOYS <sup>(2)</sup>                                         |                  |      |         |             |                                                                           |                              |                    |                  |             |                                                                        |             |             |             |             |             |             |             |             |                    |                  |                                                     |             |             |             |             |             |             |             |             |             |             |             |   |    |    |
| Prior Years Deliveries: 767                                              |                  |      |         |             |                                                                           |                              |                    |                  |             |                                                                        |             |             |             |             |             |             |             |             |                    |                  |                                                     |             |             |             |             |             |             |             |             |             |             |             |   |    |    |
|                                                                          | 13               | 2010 | NAVY    |             | 51                                                                        | 20                           | 31                 | 5                | 5           | 5                                                                      | 4           | 4           | 4           | 4           |             |             |             |             |                    | 6                | 7                                                   | 6           | 6           | 6           | 7           | 6           | 6           |             |             |             |             |             |   |    | -  |
|                                                                          | 13               | 2011 | NAVY    |             | 50                                                                        | -                            | 50                 | -                | -           | -                                                                      | -           | -           | -           | -           | -           | -           | -           | -           | 6                  | 7                | 6                                                   | 6           | 6           | 7           | 6           | 6           |             |             |             |             |             |             |   |    | -  |
|                                                                          | 13               | 2012 | NAVY    |             | 45                                                                        | -                            | 45                 |                  |             |                                                                        |             |             |             |             |             | A           | -           | -           | -                  | -                | -                                                   | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | 4 | 41 |    |
|                                                                          | 13               | 2013 | NAVY    |             | 20                                                                        | -                            | 20                 |                  |             |                                                                        |             |             |             |             |             |             |             |             |                    |                  |                                                     |             |             |             |             |             |             |             | A           | -           | -           | -           | - |    | 20 |
|                                                                          | 13               | 2014 | NAVY    |             | 29                                                                        | -                            | 29                 |                  |             |                                                                        |             |             |             |             |             |             |             |             |                    |                  |                                                     |             |             |             |             |             |             |             |             |             |             |             |   |    | 29 |
|                                                                          |                  |      |         |             |                                                                           |                              |                    | O<br>C<br>T      | N<br>O<br>V | D<br>E<br>C                                                            | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P        | O<br>C<br>T      | N<br>O<br>V                                         | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |   |    |    |

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|--------------------------------------------------------------------------|------------------|------|---------|-------------|---------------------------------------------------------------------------------------|------------------------------|--------------------|-------------|-------------|------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------|-------------|---------------------|-----------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Exhibit P-21, Production Schedule: PB 2016 Navy                          |                  |      |         |             |                                                                                       |                              |                    |             |             |                                                                        |             |             |             |             |             |             |                    |             | Date: February 2015 |                                                     |             |             |             |             |             |             |             |             |             |             |             |             |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7 |                  |      |         |             |                                                                                       |                              |                    |             |             | P-1 Line Item Number / Title:<br>5530 / Anti-ship Missile Decoy System |             |             |             |             |             |             |                    |             |                     | Aggregated Items:<br>ANTI SHIP MISSILE DECOY SYSTEM |             |             |             |             |             |             |             |             |             |             |             |             |
| Items<br>(Units in Each)                                                 |                  |      |         |             |                                                                                       |                              | Fiscal Year 2014   |             |             |                                                                        |             |             |             |             |             |             | Fiscal Year 2015   |             |                     |                                                     |             |             |             |             |             |             |             |             |             |             |             |             |
| O<br>C<br>O                                                              | M<br>F<br>R<br># | FY   | SERVICE | PROC<br>QTY | ACCEP<br>T<br>P<br>R<br>I<br>O<br>R<br>T<br>O<br>1<br>O<br>C<br>T<br>2<br>0<br>1<br>3 | BAL<br>DUE<br>AS OF<br>1 OCT | Calendar Year 2014 |             |             |                                                                        |             |             |             |             |             |             | Calendar Year 2015 |             |                     |                                                     |             |             |             |             |             |             |             |             |             |             |             |             |
|                                                                          |                  |      |         |             |                                                                                       |                              | O<br>C<br>T        | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N                                                            | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G        | S<br>E<br>P | O<br>C<br>T         | N<br>O<br>V                                         | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |             |
| 1) VV002 - NULKA DECOYS                                                  |                  |      |         |             |                                                                                       |                              |                    |             |             |                                                                        |             |             |             |             |             |             |                    |             |                     |                                                     |             |             |             |             |             |             |             |             |             |             |             |             |
| 1.1) NULKA DECOYS <sup>(2)</sup>                                         |                  |      |         |             |                                                                                       |                              |                    |             |             |                                                                        |             |             |             |             |             |             |                    |             |                     |                                                     |             |             |             |             |             |             |             |             |             |             |             |             |
| Prior Years Deliveries: 767                                              |                  |      |         |             |                                                                                       |                              |                    |             |             |                                                                        |             |             |             |             |             |             |                    |             |                     |                                                     |             |             |             |             |             |             |             |             |             |             |             |             |
|                                                                          | 13               | 2010 | NAVY    |             | 51                                                                                    | 51                           | -                  |             |             |                                                                        |             |             |             |             |             |             |                    |             |                     |                                                     |             |             |             |             |             |             |             |             |             |             | -           |             |
|                                                                          | 13               | 2011 | NAVY    |             | 50                                                                                    | 50                           | -                  |             |             |                                                                        |             |             |             |             |             |             |                    |             |                     |                                                     |             |             |             |             |             |             |             |             |             |             | -           |             |
|                                                                          | 13               | 2012 | NAVY    |             | 45                                                                                    | 4                            | 41                 | 4           | 4           | 3                                                                      | 3           | 3           | 4           | 3           | 3           | 4           | 4                  | 4           |                     |                                                     |             |             |             |             |             |             |             |             |             |             | 2           |             |
|                                                                          | 13               | 2013 | NAVY    |             | 20                                                                                    | -                            | 20                 | -           | -           | -                                                                      | -           | -           | -           | -           | -           | 2           | 2                  | 3           | 2                   | 3                                                   | 2           | 1           | 1           | 1           | 1           | 1           | 1           | 1           | -           | -           |             |             |
|                                                                          | 13               | 2014 | NAVY    |             | 29                                                                                    | -                            | 29                 |             |             |                                                                        |             |             |             | A           | -           | -           | -                  | -           | -                   | -                                                   | -           | -           | -           | -           | -           | -           | 2           | 3           | 3           | 21          |             |             |
|                                                                          |                  |      |         |             |                                                                                       |                              |                    | O<br>C<br>T | N<br>O<br>V | D<br>E<br>C                                                            | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L        | A<br>U<br>G | S<br>E<br>P         | O<br>C<br>T                                         | N<br>O<br>V | D<br>E<br>C | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |

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|--------------------------------------------------------------------------|------------------|------|---------|-------------|----------------------------------------|------------------------------|--------------------|------------------|-------------|------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|-------------|--------------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------------------------------------|-------------|-------------|-------------|---|--|--|--|--|--|
| Exhibit P-21, Production Schedule: PB 2016 Navy                          |                  |      |         |             |                                        |                              |                    |                  |             |                                                                        |             |             |             |             |             |             |             |             | Date: February 2015 |             |                    |                  |             |             |             |             |             |             |                                                     |             |             |             |   |  |  |  |  |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7 |                  |      |         |             |                                        |                              |                    |                  |             | P-1 Line Item Number / Title:<br>5530 / Anti-ship Missile Decoy System |             |             |             |             |             |             |             |             |                     |             |                    |                  |             |             |             |             |             |             | Aggregated Items:<br>ANTI SHIP MISSILE DECOY SYSTEM |             |             |             |   |  |  |  |  |  |
| Items<br>(Units in Each)                                                 |                  |      |         |             |                                        |                              |                    | Fiscal Year 2016 |             |                                                                        |             |             |             |             |             |             |             |             |                     |             |                    | Fiscal Year 2017 |             |             |             |             |             |             |                                                     |             |             |             |   |  |  |  |  |  |
| O<br>C<br>O                                                              | M<br>F<br>R<br># | FY   | SERVICE | PROC<br>QTY | ACCEPT<br>PRIOR<br>TO 1<br>OCT<br>2015 | BAL<br>DUE<br>AS OF<br>1 OCT | Calendar Year 2016 |                  |             |                                                                        |             |             |             |             |             |             |             |             |                     |             | Calendar Year 2017 |                  |             |             |             |             |             |             |                                                     |             |             |             |   |  |  |  |  |  |
|                                                                          |                  |      |         |             |                                        |                              | O<br>C<br>T        | N<br>O<br>V      | D<br>E<br>C | J<br>A<br>N                                                            | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P | O<br>C<br>T         | N<br>O<br>V | D<br>E<br>C        | J<br>A<br>N      | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L | A<br>U<br>G                                         | S<br>E<br>P | B<br>A<br>L |             |   |  |  |  |  |  |
| 1) VV002 - NULKA DECOYS                                                  |                  |      |         |             |                                        |                              |                    |                  |             |                                                                        |             |             |             |             |             |             |             |             |                     |             |                    |                  |             |             |             |             |             |             |                                                     |             |             |             |   |  |  |  |  |  |
| 1.1) NULKA DECOYS <sup>(2)</sup>                                         |                  |      |         |             |                                        |                              |                    |                  |             |                                                                        |             |             |             |             |             |             |             |             |                     |             |                    |                  |             |             |             |             |             |             |                                                     |             |             |             |   |  |  |  |  |  |
| Prior Years Deliveries: 767                                              |                  |      |         |             |                                        |                              |                    |                  |             |                                                                        |             |             |             |             |             |             |             |             |                     |             |                    |                  |             |             |             |             |             |             |                                                     |             |             |             |   |  |  |  |  |  |
|                                                                          | 13               | 2010 | NAVY    |             | 51                                     | 51                           | -                  |                  |             |                                                                        |             |             |             |             |             |             |             |             |                     |             |                    |                  |             |             |             |             |             |             |                                                     |             |             |             | - |  |  |  |  |  |
|                                                                          | 13               | 2011 | NAVY    |             | 50                                     | 50                           | -                  |                  |             |                                                                        |             |             |             |             |             |             |             |             |                     |             |                    |                  |             |             |             |             |             |             |                                                     |             |             |             | - |  |  |  |  |  |
|                                                                          | 13               | 2012 | NAVY    |             | 45                                     | 43                           | 2                  |                  |             |                                                                        |             |             |             |             |             |             |             |             |                     |             |                    |                  |             |             |             |             |             |             |                                                     |             |             |             | 2 |  |  |  |  |  |
|                                                                          | 13               | 2013 | NAVY    |             | 20                                     | 20                           | -                  |                  |             |                                                                        |             |             |             |             |             |             |             |             |                     |             |                    |                  |             |             |             |             |             |             |                                                     |             |             |             | - |  |  |  |  |  |
|                                                                          | 13               | 2014 | NAVY    |             | 29                                     | 8                            | 21                 | 2                | 2           | 3                                                                      | 2           | 2           | 3           | 2           | 2           | 3           | J<br>U<br>L | A<br>U<br>G | S<br>E<br>P         | O<br>C<br>T | N<br>O<br>V        | D<br>E<br>C      | J<br>A<br>N | F<br>E<br>B | M<br>A<br>R | A<br>P<br>R | M<br>A<br>Y | J<br>U<br>N | J<br>U<br>L                                         | A<br>U<br>G | S<br>E<br>P | B<br>A<br>L |   |  |  |  |  |  |

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|--------------------------------------------------------------------------|---------------------|--------------------------------|----------------|--------------|------------------------------------------------------------------------|--------------------|---------|----------------------|-----------------------------------------------------|--------------------|---------|----------------------|
| Exhibit P-21, Production Schedule: PB 2016 Navy                          |                     |                                |                |              |                                                                        |                    |         |                      | Date: February 2015                                 |                    |         |                      |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7 |                     |                                |                |              | P-1 Line Item Number / Title:<br>5530 / Anti-ship Missile Decoy System |                    |         |                      | Aggregated Items:<br>ANTI SHIP MISSILE DECOY SYSTEM |                    |         |                      |
|                                                                          |                     | Production Rates (Each / Year) |                |              | Procurement Leadtime (Months)                                          |                    |         |                      |                                                     |                    |         |                      |
| MFR<br>Ref<br>#                                                          | MFR Name - Location | MSR For 2016                   | 1-8-5 For 2016 | MAX For 2016 | Initial                                                                |                    |         |                      | Reorder                                             |                    |         |                      |
|                                                                          |                     |                                |                |              | ALT<br>Prior to Oct 1                                                  | ALT<br>After Oct 1 | Mfg PLT | Total<br>After Oct 1 | ALT<br>Prior to Oct 1                               | ALT<br>After Oct 1 | Mfg PLT | Total<br>After Oct 1 |
| 1                                                                        | BAES - AUSTRALIA    | -                              | -              | 192          | -                                                                      | 6                  | 12      | 18                   | -                                                   | -                  | 12      | 12                   |

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                               | <b>Date:</b> February 2015                                     |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 | <b>P-1 Line Item Number / Title:</b><br>5530 / Anti-ship Missile Decoy System | <b>Modification Number / Title:</b><br>1 / VV001 NULKA SYSTEMS |

| Resource Summary                                                                                                                              | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total   |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|---------|
| Procurement Quantity <i>(Units in Each)</i>                                                                                                   | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -       |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                              | 113.851     | 5.723   | -       | -            | -           | -             | -       | -       | -       | -       | -           | 119.574 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -       |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                  | 113.851     | 5.723   | -       | -            | -           | -             | -       | -       | -       | -       | -           | 119.574 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -       |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                            | 113.851     | 5.723   | -       | -            | -           | -             | -       | -       | -       | -       | -           | 119.574 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |             |         |         |              |             |               |         |         |         |         |             |         |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                        | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -       |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                          | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -       |

**Description:**

Commencing in FY15, LI 5530 was consolidated under LI 5231 in FY15 and out.

[NULKA SYSTEMS] Program funds the procurement and installation of the MK53 NULKA System.

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|                                                                          |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                                         |                                   |                                   |                                   |                                   |
|--------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   | Date: February 2015                                     |                                   |                                   |                                   |                                   |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7 |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5530 / Anti-ship Missile Decoy System |                                   |                                   |                                   | Modification Number / Title:<br>1 / VV001 NULKA SYSTEMS |                                   |                                   |                                   |                                   |
| Models of Systems Affected: MK 53 DLS                                    |                                   |                                   | Modification Type:                |                                                                        |                                   |                                   |                                   | Related RDT&E PEs:                                      |                                   |                                   |                                   |                                   |
| Financial Plan                                                           | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                        | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                                                 | FY 2019                           | FY 2020                           | To<br>Complete                    | Total                             |
|                                                                          | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                      | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                       | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |
| Procurement                                                              |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                                         |                                   |                                   |                                   |                                   |
| Modification Item 1 of 1: VV001 NULKA SYSTEMS                            |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                                         |                                   |                                   |                                   |                                   |
| B Kits                                                                   |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                                         |                                   |                                   |                                   |                                   |
| Recurring                                                                |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                                         |                                   |                                   |                                   |                                   |
| 1.1.1) NULKA SYSTEMS - NonOrganic <sup>(3)</sup>                         | 98 / 35.717                       | 1 / 1.063                         | 1 / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                                                   | - / -                             | - / -                             | - / -                             | 100 / 36.780                      |
| 1.1.2) TRAINING EQUIPMENT - NonOrganic                                   | 1 / 1.300                         | - / -                             | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                                                   | - / -                             | - / -                             | - / -                             | 1 / 1.300                         |
| Subtotal: Recurring                                                      | - / 37.017                        | - / 1.063                         | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                                                   | - / -                             | - / -                             | - / -                             | - / 38.080                        |
| Subtotal: VV001 NULKA SYSTEMS                                            | 99 / 37.017                       | 1 / 1.063                         | 1 / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                                                   | - / -                             | - / -                             | - / -                             | 101 / 38.080                      |
| Subtotal: Procurement, All Modification Items                            | - / 37.017                        | - / 1.063                         | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                                                   | - / -                             | - / -                             | - / -                             | - / 38.080                        |
| Installation                                                             |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                                         |                                   |                                   |                                   |                                   |
| Modification Item 1 of 1: VV001 NULKA SYSTEMS                            | - / 76.834                        | - / 4.660                         | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                                                   | - / -                             | - / -                             | - / -                             | - / 81.494                        |
| Subtotal: Installation                                                   | - / 76.834                        | - / 4.660                         | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                                                   | - / -                             | - / -                             | - / -                             | - / 81.494                        |
| Total                                                                    |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                                         |                                   |                                   |                                   |                                   |
| Total Cost (Procurement + Support + Installation)                        | 113.851                           | 5.723                             | -                                 | -                                                                      | -                                 | -                                 | -                                 | -                                                       | -                                 | -                                 | -                                 | 119.574                           |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |  |                                                                               | <b>Date:</b> February 2015 |  |                                                                |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 |  | <b>P-1 Line Item Number / Title:</b><br>5530 / Anti-ship Missile Decoy System |                            |  | <b>Modification Number / Title:</b><br>1 / VV001 NULKA SYSTEMS |

**Modification Item 1 of 1:** VV001 NULKA SYSTEMS

| Manufacturer Information               |          |         |         |                                     |         |         |         |
|----------------------------------------|----------|---------|---------|-------------------------------------|---------|---------|---------|
| Manufacturer Name: SECHAN              |          |         |         | Manufacturer Location: LITITZ, PA   |         |         |         |
| Administrative Leadtime (in Months): 6 |          |         |         | Production Leadtime (in Months): 14 |         |         |         |
| Dates                                  | FY 2014  | FY 2015 | FY 2016 | FY 2017                             | FY 2018 | FY 2019 | FY 2020 |
| Contract Dates                         | Feb 2014 |         |         |                                     |         |         |         |
| Delivery Dates                         | Apr 2015 |         |         |                                     |         |         |         |

**Installation Information**

**Method of Implementation:** AIT:: Installation Name: NULKA SYSTEMS

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 97 / 76.413                    | 1 / 3.156                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 98 / 79.569                    |
| FY 2014           | 0 / 0.421                      | - / 0.961                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / 1.382                      |
| FY 2015           | - / -                          | - / 0.543                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / 0.543                      |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 97 / 76.834                    | 1 / 4.660                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 98 / 81.494                    |

| Installation Schedule |     |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |    |     |
|-----------------------|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|                       | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|                       |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In                    | 97  | 1       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | 98 |     |
| Out                   | 97  | -       | -  | -  | -  | 1       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | 98 |     |

**Footnotes:**

<sup>(3)</sup> FY14 (\$.961K) and FY15 (\$.543K) procurements under this BLI:5530 budget are being installed under budget BLI:5231.



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| Exhibit P-3a, Individual Modification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                |         |                                                                        |                 |                |                  |         | Date: February 2015                                                                    |         |         |                |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------|---------|------------------------------------------------------------------------|-----------------|----------------|------------------|---------|----------------------------------------------------------------------------------------|---------|---------|----------------|--------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                |         | P-1 Line Item Number / Title:<br>5530 / Anti-ship Missile Decoy System |                 |                |                  |         | Modification Number / Title:<br>2 / VV003 ENGINEERING CHANGES<br>AND LOGISTICS SUPPORT |         |         |                |        |
| Resource Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Prior<br>Years | FY 2014 | FY 2015                                                                | FY 2016<br>Base | FY 2016<br>OCO | FY 2016<br>Total | FY 2017 | FY 2018                                                                                | FY 2019 | FY 2020 | To<br>Complete | Total  |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | -              | -       | -                                                                      | -               | -              | -                | -       | -                                                                                      | -       | -       | -              | -      |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 82.477         | 5.429   | -                                                                      | -               | -              | -                | -       | -                                                                                      | -       | -       | -              | 87.906 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | -              | -       | -                                                                      | -               | -              | -                | -       | -                                                                                      | -       | -       | -              | -      |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | 82.477         | 5.429   | -                                                                      | -               | -              | -                | -       | -                                                                                      | -       | -       | -              | 87.906 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | -              | -       | -                                                                      | -               | -              | -                | -       | -                                                                                      | -       | -       | -              | -      |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 82.477         | 5.429   | -                                                                      | -               | -              | -                | -       | -                                                                                      | -       | -       | -              | 87.906 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                |         |                                                                        |                 |                |                  |         |                                                                                        |         |         |                |        |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | -              | -       | -                                                                      | -               | -              | -                | -       | -                                                                                      | -       | -       | -              | -      |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | -              | -       | -                                                                      | -               | -              | -                | -       | -                                                                                      | -       | -       | -              | -      |
| Description:<br>Commencing in FY15, LI 5530 was consolidated under LI 5231 in FY15 and out.<br><br>[DLS ORDALT KITS] Funding will procure Engineering Change Proposals (ECPs)/ORDALT Kits to ensure future tactical suitability and viability of NULKA and to address obsolescence, quality assurance, reliability, safety, Electromagnetic Interference (EMI), and diminishing manufacturing source issues. Additionally, funding will provide for updating Logistics including decoy and special purpose test equipment maintenance, provisioning, transportation, and training school support as required. |  |                |         |                                                                        |                 |                |                  |         |                                                                                        |         |         |                |        |

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                       |                                |                                |                                |                                                                        |                                |                                |                                | Date: February 2015            |                                                                                        |                                |                                |                                |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7  |                                |                                |                                | P-1 Line Item Number / Title:<br>5530 / Anti-ship Missile Decoy System |                                |                                |                                |                                | Modification Number / Title:<br>2 / VV003 ENGINEERING CHANGES<br>AND LOGISTICS SUPPORT |                                |                                |                                |  |
| Models of Systems Affected: DLS/EMC ORDALT KITS                           |                                |                                |                                | Modification Type:                                                     |                                |                                |                                |                                | Related RDT&E PEs:                                                                     |                                |                                |                                |  |
| Financial Plan                                                            | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                                                           | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                                                                                | FY 2020                        | To Complete                    | Total                          |  |
|                                                                           | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                         | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                                         | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |  |
| Procurement                                                               |                                |                                |                                |                                                                        |                                |                                |                                |                                |                                                                                        |                                |                                |                                |  |
| Modification Item 1 of 1: VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT |                                |                                |                                |                                                                        |                                |                                |                                |                                |                                                                                        |                                |                                |                                |  |
| B Kits                                                                    |                                |                                |                                |                                                                        |                                |                                |                                |                                |                                                                                        |                                |                                |                                |  |
| Non-Recurring                                                             |                                |                                |                                |                                                                        |                                |                                |                                |                                |                                                                                        |                                |                                |                                |  |
| 1.1.1) DLS ORDALT KITS - NonOrganic                                       |                                | 42 / 0.004                     | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                                  | - / -                          | - / -                          | 42 / 0.004                     |  |
| 1.1.2) EMC ORDALT KITS - Organic                                          |                                | - / 14.200                     | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                                  | - / -                          | - / -                          | - / 14.200                     |  |
| Subtotal: Non-Recurring                                                   |                                | - / 14.204                     | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                                  | - / -                          | - / -                          | - / 14.204                     |  |
| Subtotal: VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT                 |                                | 42 / 14.204                    | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                                  | - / -                          | - / -                          | 42 / 14.204                    |  |
| Subtotal: Procurement, All Modification Items                             |                                | - / 14.204                     | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                                  | - / -                          | - / -                          | - / 14.204                     |  |
| Support (All Modification Items)                                          |                                |                                |                                |                                                                        |                                |                                |                                |                                |                                                                                        |                                |                                |                                |  |
| 2.1) ENGINEERING CHANGES                                                  |                                | - / 21.574                     | - / 1.559                      | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                                  | - / -                          | - / -                          | - / 23.133                     |  |
| 2.2) LOGISTICS/PRODUCTION SUPPORT                                         |                                | - / 46.299                     | - / 3.870                      | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                                  | - / -                          | - / -                          | - / 50.169                     |  |
| Subtotal: Support                                                         |                                | - / 67.873                     | - / 5.429                      | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                                  | - / -                          | - / -                          | - / 73.302                     |  |
| Installation                                                              |                                |                                |                                |                                                                        |                                |                                |                                |                                |                                                                                        |                                |                                |                                |  |
| Modification Item 1 of 1: VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT |                                | - / 0.400                      | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                                  | - / -                          | - / -                          | - / 0.400                      |  |
| Subtotal: Installation                                                    |                                | - / 0.400                      | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                                  | - / -                          | - / -                          | - / 0.400                      |  |
| Total                                                                     |                                |                                |                                |                                                                        |                                |                                |                                |                                |                                                                                        |                                |                                |                                |  |
| Total Cost (Procurement + Support + Installation)                         |                                | 82.477                         | 5.429                          | -                                                                      | -                              | -                              | -                              | -                              | -                                                                                      | -                              | -                              | 87.906                         |  |
|                                                                           |                                |                                |                                |                                                                        |                                |                                |                                |                                |                                                                                        |                                |                                |                                |  |

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|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                               | <b>Date:</b> February 2015                                                                 |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 | <b>P-1 Line Item Number / Title:</b><br>5530 / Anti-ship Missile Decoy System | <b>Modification Number / Title:</b><br>2 / VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT |

**Modification Item 1 of 1:** VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT

**Manufacturer Information**

|                                      |                                  |
|--------------------------------------|----------------------------------|
| Manufacturer Name: TBD               | Manufacturer Location: TBD       |
| Administrative Leadtime (in Months): | Production Leadtime (in Months): |

| Dates          | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 |
|----------------|---------|---------|---------|---------|---------|---------|---------|
| Contract Dates |         |         |         |         |         |         |         |
| Delivery Dates |         |         |         |         |         |         |         |

**Installation Information**

**Method of Implementation:** [none specified]:: Installation Name: DLS ORDALT KITS

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 42 / 0.400                     | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 42 / 0.400                     |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 42 / 0.400                     | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 42 / 0.400                     |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | 42  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 42  |
| Out | 42  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 42  |

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                                                                                                                                                                                                          |             |         |         |                                                                        |             |               |         |         | Date: February 2015                                        |         |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|------------------------------------------------------------------------|-------------|---------------|---------|---------|------------------------------------------------------------|---------|-------------|--------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7                                                                                                                                                                                     |             |         |         | P-1 Line Item Number / Title:<br>5530 / Anti-ship Missile Decoy System |             |               |         |         | Modification Number / Title:<br>3 / VV831 - DLF-3B SYSTEMS |         |             |        |
| Resource Summary                                                                                                                                                                                                                                             | Prior Years | FY 2014 | FY 2015 | FY 2016 Base                                                           | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019                                                    | FY 2020 | To Complete | Total  |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                                                                                                                                  | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                          | -       | -           | -      |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                                                                                                                                             | 4.670       | 24.439  | -       | -                                                                      | -           | -             | -       | -       | -                                                          | -       | -           | 29.109 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                          | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                          | -       | -           | -      |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                                                                                                                                 | 4.670       | 24.439  | -       | -                                                                      | -           | -             | -       | -       | -                                                          | -       | -           | 29.109 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                                                                          | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                          | -       | -           | -      |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                                                                                                                                           | 4.670       | 24.439  | -       | -                                                                      | -           | -             | -       | -       | -                                                          | -       | -           | 29.109 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                                                                                                       |             |         |         |                                                                        |             |               |         |         |                                                            |         |             |        |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                                                                                                                                       | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                          | -       | -           | -      |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                                                                         | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                          | -       | -           | -      |
| Description:<br>Commencing in FY15, LI 5530 was consolidated under LI 5231 in FY15 and out.<br><br>[DLF-3B SYSTEMS] Procurement of the commercially available DLF-3B decoy systems. A ship system consists of 6 decoys, 6 launch tubes, and 1 control panel. |             |         |         |                                                                        |             |               |         |         |                                                            |         |             |        |

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|--------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                |                                |                                |                                                                        |                                |                                |                                | Date: February 2015                                        |                                |                                |                                |                                |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7 |                                |                                |                                | P-1 Line Item Number / Title:<br>5530 / Anti-ship Missile Decoy System |                                |                                |                                | Modification Number / Title:<br>3 / VV831 - DLF-3B SYSTEMS |                                |                                |                                |                                |  |
| Models of Systems Affected: DLF-3B DECOY SYSTEMS                         |                                |                                |                                | Modification Type:                                                     |                                |                                |                                | Related RDT&E PEs:                                         |                                |                                |                                |                                |  |
| Financial Plan                                                           | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                                                           | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                                                    | FY 2019                        | FY 2020                        | To Complete                    | Total                          |  |
|                                                                          | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                         | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                             | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |  |
| Procurement                                                              |                                |                                |                                |                                                                        |                                |                                |                                |                                                            |                                |                                |                                |                                |  |
| Modification Item 1 of 1: VV831 - DLF-3B SYSTEMS                         |                                |                                |                                |                                                                        |                                |                                |                                |                                                            |                                |                                |                                |                                |  |
| B Kits                                                                   |                                |                                |                                |                                                                        |                                |                                |                                |                                                            |                                |                                |                                |                                |  |
| Non-Recurring                                                            |                                |                                |                                |                                                                        |                                |                                |                                |                                                            |                                |                                |                                |                                |  |
| 1.1.1) DLF-3B SYSTEMS - NonOrganic                                       | 2 / 4.370                      | 11 / 18.556                    | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                      | - / -                          | - / -                          | - / -                          | 13 / 22.926                    |  |
| Subtotal: Non-Recurring                                                  | - / 4.370                      | - / 18.556                     | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                      | - / -                          | - / -                          | - / -                          | - / 22.926                     |  |
| Subtotal: VV831 - DLF-3B SYSTEMS                                         | 2 / 4.370                      | 11 / 18.556                    | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                      | - / -                          | - / -                          | - / -                          | 13 / 22.926                    |  |
| Subtotal: Procurement, All Modification Items                            | - / 4.370                      | - / 18.556                     | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                      | - / -                          | - / -                          | - / -                          | - / 22.926                     |  |
| Installation                                                             |                                |                                |                                |                                                                        |                                |                                |                                |                                                            |                                |                                |                                |                                |  |
| Modification Item 1 of 1: VV831 - DLF-3B SYSTEMS                         | - / 0.300                      | - / 5.883                      | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                      | - / -                          | - / -                          | - / -                          | - / 6.183                      |  |
| Subtotal: Installation                                                   | - / 0.300                      | - / 5.883                      | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                      | - / -                          | - / -                          | - / -                          | - / 6.183                      |  |
| Total                                                                    |                                |                                |                                |                                                                        |                                |                                |                                |                                                            |                                |                                |                                |                                |  |
| Total Cost (Procurement + Support + Installation)                        | 4.670                          | 24.439                         | -                              | -                                                                      | -                              | -                              | -                              | -                                                          | -                              | -                              | -                              | 29.109                         |  |

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|---------------------------------------------------------------------------------|------------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|-------------------------------------------------------------------------------|-----------|--------------------------------|-----------|--------------------------------|---------------------------------------|--------------------------------|-----------|--------------------------------|-----------|-------------------------------------------------------------------|-----------|--------------------------------|-----------|--------------------------------|-----------|----------------|-----------|-----------|-----------|-----------|------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |            |                                |           |                                |           |                                |           |                                |           | <b>Date:</b> February 2015                                                    |           |                                |           |                                |                                       |                                |           |                                |           |                                                                   |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 |            |                                |           |                                |           |                                |           |                                |           | <b>P-1 Line Item Number / Title:</b><br>5530 / Anti-ship Missile Decoy System |           |                                |           |                                |                                       |                                |           |                                |           | <b>Modification Number / Title:</b><br>3 / VV831 - DLF-3B SYSTEMS |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Modification Item 1 of 1:</b> VV831 - DLF-3B SYSTEMS                         |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                       |                                |           |                                |           |                                                                   |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Manufacturer Information</b>                                                 |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                       |                                |           |                                |           |                                                                   |           |                                |           |                                |           |                |           |           |           |           |            |
| Manufacturer Name: Airborne Systems                                             |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                | Manufacturer Location: United Kingdom |                                |           |                                |           |                                                                   |           |                                |           |                                |           |                |           |           |           |           |            |
| Administrative Leadtime (in Months): 6                                          |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                | Production Leadtime (in Months): 11   |                                |           |                                |           |                                                                   |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Dates</b>                                                                    |            | <b>FY 2014</b>                 |           |                                |           | <b>FY 2015</b>                 |           |                                |           | <b>FY 2016</b>                                                                |           |                                |           | <b>FY 2017</b>                 |                                       |                                |           | <b>FY 2018</b>                 |           |                                                                   |           | <b>FY 2019</b>                 |           |                                |           | <b>FY 2020</b> |           |           |           |           |            |
| Contract Dates                                                                  |            | Feb 2014                       |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                       |                                |           |                                |           |                                                                   |           |                                |           |                                |           |                |           |           |           |           |            |
| Delivery Dates                                                                  |            | Jan 2015                       |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                       |                                |           |                                |           |                                                                   |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Installation Information</b>                                                 |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                       |                                |           |                                |           |                                                                   |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Method of Implementation:</b> AIT:: Installation Name: DLF-3B SYSTEMS        |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                       |                                |           |                                |           |                                                                   |           |                                |           |                                |           |                |           |           |           |           |            |
| <b>Installation Cost</b>                                                        |            | <b>Prior Years</b>             |           | <b>FY 2014</b>                 |           | <b>FY 2015</b>                 |           | <b>FY 2016 Base</b>            |           | <b>FY 2016 OCO</b>                                                            |           | <b>FY 2016 Total</b>           |           | <b>FY 2017</b>                 |                                       | <b>FY 2018</b>                 |           | <b>FY 2019</b>                 |           | <b>FY 2020</b>                                                    |           | <b>To Complete</b>             |           | <b>Total</b>                   |           |                |           |           |           |           |            |
|                                                                                 |            | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M)                                                |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |                                       | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M)                                    |           | Qty (Each) / Total Cost (\$ M) |           | Qty (Each) / Total Cost (\$ M) |           |                |           |           |           |           |            |
| Prior Years                                                                     |            | 0 / 0.300                      |           | 2 / 3.400                      |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                       | - / -                          |           | - / -                          |           | - / -                                                             |           | - / -                          |           | - / -                          |           | 2 / 3.700      |           |           |           |           |            |
| FY 2014                                                                         |            | - / -                          |           | - / 2.483                      |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                       | - / -                          |           | - / -                          |           | - / -                                                             |           | - / -                          |           | - / -                          |           | - / 2.483      |           |           |           |           |            |
| FY 2015                                                                         |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                       | - / -                          |           | - / -                          |           | - / -                                                             |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2016                                                                         |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                       | - / -                          |           | - / -                          |           | - / -                                                             |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2017                                                                         |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                       | - / -                          |           | - / -                          |           | - / -                                                             |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2018                                                                         |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                       | - / -                          |           | - / -                          |           | - / -                                                             |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2019                                                                         |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                       | - / -                          |           | - / -                          |           | - / -                                                             |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| FY 2020                                                                         |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                       | - / -                          |           | - / -                          |           | - / -                                                             |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| To Complete                                                                     |            | - / -                          |           | - / -                          |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                       | - / -                          |           | - / -                          |           | - / -                                                             |           | - / -                          |           | - / -                          |           | - / -          |           |           |           |           |            |
| Total                                                                           |            | 0 / 0.300                      |           | 2 / 5.883                      |           | - / -                          |           | - / -                          |           | - / -                                                                         |           | - / -                          |           | - / -                          |                                       | - / -                          |           | - / -                          |           | - / -                                                             |           | - / -                          |           | - / -                          |           | 2 / 6.183      |           |           |           |           |            |
| <b>Installation Schedule</b>                                                    |            |                                |           |                                |           |                                |           |                                |           |                                                                               |           |                                |           |                                |                                       |                                |           |                                |           |                                                                   |           |                                |           |                                |           |                |           |           |           |           |            |
|                                                                                 | <b>PYS</b> | <b>FY 2014</b>                 |           |                                |           | <b>FY 2015</b>                 |           |                                |           | <b>FY 2016</b>                                                                |           |                                |           | <b>FY 2017</b>                 |                                       |                                |           | <b>FY 2018</b>                 |           |                                                                   |           | <b>FY 2019</b>                 |           |                                |           | <b>FY 2020</b> |           |           |           | <b>TC</b> | <b>Tot</b> |
|                                                                                 |            | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                                                                     | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b>                             | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                                                         | <b>Q4</b> | <b>Q1</b>                      | <b>Q2</b> | <b>Q3</b>                      | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> |           |            |
| In                                                                              | -          | -                              | -         | 2                              | -         | -                              | -         | -                              | -         | -                                                                             | -         | -                              | -         | -                              | -                                     | -                              | -         | -                              | -         | -                                                                 | -         | -                              | -         | -                              | -         | -              | -         | -         | -         | -         | 2          |
| Out                                                                             | -          | -                              | -         | -                              | 2         | -                              | -         | -                              | -         | -                                                                             | -         | -                              | -         | -                              | -                                     | -                              | -         | -                              | -         | -                                                                 | -         | -                              | -         | -                              | -         | -              | -         | -         | -         | -         | 2          |

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**Exhibit P-40, Budget Line Item Justification:** PB 2016 Navy **Date:** February 2015

|                                                                                                                                                                           |                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7:<br>Other Expendable Ordnance | <b>P-1 Line Item Number / Title:</b><br>5660 / Surface Training Device Mods |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|

| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                            |                |               | Program Elements for Code B Items: |              |             |               |         | Other Related Program Elements: |         |         |             |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------|------------------------------------|--------------|-------------|---------------|---------|---------------------------------|---------|---------|-------------|----------------|
| Resource Summary                                                                                                                              | Prior Years    | FY 2014       | FY 2015                            | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018                         | FY 2019 | FY 2020 | To Complete | Total          |
| Procurement Quantity ( <i>Units in Each</i> )                                                                                                 | -              | -             | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | -              |
| Gross/Weapon System Cost ( <i>\$ in Millions</i> )                                                                                            | 133.165        | 43.213        | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | 176.378        |
| Less PY Advance Procurement ( <i>\$ in Millions</i> )                                                                                         | -              | -             | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | -              |
| Net Procurement (P1) ( <i>\$ in Millions</i> )                                                                                                | 133.165        | 43.213        | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | 176.378        |
| Plus CY Advance Procurement ( <i>\$ in Millions</i> )                                                                                         | -              | -             | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | -              |
| <b>Total Obligation Authority (<i>\$ in Millions</i>)</b>                                                                                     | <b>133.165</b> | <b>43.213</b> | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | <b>176.378</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |                |               |                                    |              |             |               |         |                                 |         |         |             |                |
| Initial Spares ( <i>\$ in Millions</i> )                                                                                                      | -              | 0.128         | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | 0.128          |
| Flyaway Unit Cost ( <i>\$ in Dollars</i> )                                                                                                    | -              | -             | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | -              |
| Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )                                                                                        | -              | -             | -                                  | -            | -           | -             | -       | -                               | -       | -       | -           | -              |

## Description:

This line provides funds to procure, modify and upgrade trainers to include Aegis Ashore, LCS, DDG 1000 and surface shore-based navigation, Hull, Mechanical and Electrical (HM&E) combat systems, engineering, damage control and amphibious warfare individual and team Technical Training Equipment, Training Devices, Training Unique Equipment and Training systems. Funds ensure alignment between Surface Learning Centers and Fleet Concentration Area training systems and fleet training requirements as dictated by Surface and Expeditionary Warfare Training Plan. Additionally, funds support ship on-board training curriculum for the purpose of maintaining perishable operator and maintenance skills.

[P5 / TS004 Surface Training Device Mods]: TS004 Surface Training Device Mods]: TS004- SURFACE MINOR MODS

Modifications are required to meet safety standards, keep training systems compatible with equivalent changes made to fleet operational equipment, and to enhance training capabilities. These modifications support the 300+ fielded Surface training systems.

This program has moved to 5662, N95, N96 and N97, PE 0804731N.

[P5 / SURFACE MINOR MODS]: Funds modifications of 10 systems and sustainment of 145 surface and expeditionary training systems in accordance with the results of CNO directed and OPNAV and Fleet sponsored studies from 2009 through 2013. Specific studies of surface training systems include: Fleet Review Panel of Surface Force Readiness, Aegis Weapon System/SPY Radar Readiness Task Force, LPD 17 Class Wholeness Task Force, MCM Readiness Task Force, Navigation Wholeness Study, OPNAV-sponsored Surface Engineering Training Wholeness Review, Fleet Integrated Air and Missile Defense and Anti-Submarine Warfare Improvement Programs, Aegis Ashore, Naval Integrated Fire Control-Counter Air (NIFC-CA) and C5I training requirements documents, LCS Front End Analysis (FEA), DDG 1000 wholeness review, LHD 8/ LHA 6 Training Requirements Planning and Programming (TRPPM), CNSF manpower initiatives impact on readiness, and the Navy IG report on Computer Based Training (CBT). The extensive inventory of training systems to support 16 classes of ships requires continual modifications to ensure alignment with fleet systems while addressing technology obsolescence issues. Funding is budgeted to modify the following 10 systems:

1. Anti-Submarine Tactical Air Controller (ASTAC) Simulation Upgrade
2. Damage Control Wet Trainer Upgrades/Refresh
3. DDG 51 Machinery Control System Maintenance Trainer
4. Multi-Mission Team Trainer Upgrades/Lab Refresh
5. Electrical Maintenance Training
6. Air Conditioning and Refrigeration (AC&R) Maintenance Training

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------------------------------------------|
| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                    | Date: February 2015                                                  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                    | P-1 Line Item Number / Title:<br>5660 / Surface Training Device Mods |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Program Elements for Code B Items: | Other Related Program Elements:                                      |
| 7. Deck System Equipment Training<br>8. Marine Sanitation Devices<br>9. LCAC Team Trainer Overhaul/Upgrades<br>10. Amphibious Boat Control Team Trainer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                    |                                                                      |
| [P5 / CSCS Modernization/AEGIS Capability Build (ACB) Training Systems]: The Aegis Weapon System/SPY Radar Readiness Task Force, OPNAV-sponsored Fleet Integrated Air and Missile Defense and Anti-Submarine Warfare Improvement Programs, Aegis Ashore, Naval Integrated Fire Control-Counter Air (NIFC-CA) and C5I training requirements documents training shortfall for procurement and installation of ACB TTE Simulation/Stimulation at the ATRC Learning Site. The current ATRC training systems utilize expensive and maintenance-intensive ruggedized shipboard equipment which is obsolete and unsupportable. Without this funding, existing training labs at ATRC will not be upgraded or maintained to provide accurate training and the required training lab for ACB Program of Record will not be modified. Aegis operators and maintainers will not be trained on accurate systems which will directly impact fleet readiness.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |                                                                      |
| [P5 / COMBINED IAMD/ASW TRAINER (CIAT)]: Combined IAMD/ASW Trainer (CIAT). From the Aegis Weapon System/SPY Radar Readiness Task Force, OPNAV-sponsored Fleet Integrated Air and Missile Defense and Anti-Submarine Warfare Improvement Programs, Aegis Ashore, Naval Integrated Fire Control-Counter Air (NIFC-CA) and C5I training requirements documents, one of the areas identified for long term investment was the requirement for a high fidelity integrated air and missile defense and anti-submarine warfare training capability. Due to the cost prohibitive realities associated with modifications of ship high fidelity training systems, which currently meet only 60% of the CNO requirement for ship training systems to be commensurate with tactical system capability, this shore capability is being modified. The CIAT will field in the Fleet Concentration Areas of San Diego, Yokosuka, Pearl Harbor, and Norfolk in support of program of record advanced warfare training. Without funding the installation and procurement of the trainers will be impacted resulting in delaying accurate and required training for integrated air and anti-submarine warfare weapon system operators.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    |                                                                      |
| [P5 / NAVY TRAINING SYSTEM PLAN (NTSP TTE/TD MODS)]: Funds are for modifications for 16 surface and expeditionary training systems in multiple school houses in accordance with the results of CNO directed and OPNAV and Fleet sponsored studies, NTSP updates, and Technical Training Audits from 2009 through 2013. One of the key items identified in the Fleet Review Panel of Surface Force Readiness, LPD 17 Class Wholeness Task Force, MCM Readiness Task Force, Navigation Wholeness Study, OPNAV-sponsored Surface Engineering Training Wholeness Review, LCS Front End Analysis (FEA), DDG 1000 wholeness review, and LHD 8/ LHA 6 Training Requirements Planning and Programming (TRPPM) analysis done by the Surface Warfare Enterprise was the outdated or lack of training equipment in the schoolhouses. The analysis identified approximately 80 Navy Training System Plan updates and 35 Technical Training Course Audits. This investment will be for the procurement and installation of Training Equipment at Learning Centers to keep training courses in alignment with current configuration of equipment in the fleet. Investment ensures Surface Warfare Training Continuums are capable of meeting training requirements directly supporting readiness for the following systems/courses:<br>1. Collection, Holding and Transfer (CHT)<br>2. Controllable Pitch Propeller<br>3. LPD 17 Class Smoke Ejection<br>4. Damage Control<br>5. Firefighting<br>6. Fuel Oil Systems<br>7. Anchoring, Mooring and Towing<br>8. Amphibious Assault Vehicle Handling, Stowage and Support<br>9. Handling and Stowing Boats and Small Craft<br>10. Hull Equipment<br>11. Shipboard Crane Systems<br>12. Underway Replenishment Systems<br>13. CIN A-651-0064 Engineering Principles and Practices<br>14. CIN A-651-0069 Controls, Governors, and Regulator Maintenance<br>15. CIN A-651-0110 Senior Prop Engineering Course<br>16. CIN A-4H-0157 Advanced Steam Course |                                    |                                                                      |



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LI 5660 - Surface Training Device Mods  
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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|--------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                 |                 |              |                                                  |                                                                             |                                                  | <b>Date:</b> February 2015                       |                                                  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7:<br>Other Expendable Ordnance                                                                                                         |                 |              |                                                  | <b>P-1 Line Item Number / Title:</b><br>5660 / Surface Training Device Mods |                                                  |                                                  |                                                  |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                         |                 |              | <b>Program Elements for Code B Items:</b>        |                                                                             |                                                  | <b>Other Related Program Elements:</b>           |                                                  |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                                                          |                 |              | <b>Prior Years</b>                               | <b>FY 2014</b>                                                              | <b>FY 2015</b>                                   | <b>FY 2016 Base</b>                              | <b>FY 2016 OCO</b>                               |
| <b>Title*</b>                                                                                                                                                                                                                                                                     | <b>Exhibits</b> | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                            | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| 1 / TS004 Surface Training Device Mods [TS004]                                                                                                                                                                                                                                    | P-5             |              | - / 133.165                                      | - / 43.213                                                                  | - / -                                            | - / -                                            | - / -                                            |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                                                             |                 |              | <b>- / 133.165</b>                               | <b>- / 43.213</b>                                                           | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / -</b>                                     |
| <small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.<br/>           Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</small> |                 |              |                                                  |                                                                             |                                                  |                                                  |                                                  |

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|----------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|-------------------|----------------|------------|----------------------------------------------------------------------|----------------|------------|-------------------|-----------------|---------------------|--------------------------------------------------------------------------------|----------------|---------------|-------------------|----------------|------------|-------------------|
| Exhibit P-5, Cost Analysis: PB 2016 Navy                                                                                               |                |            |                   |                |            |                                                                      |                |            |                   |                 | Date: February 2015 |                                                                                |                |               |                   |                |            |                   |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7                                                               |                |            |                   |                |            | P-1 Line Item Number / Title:<br>5660 / Surface Training Device Mods |                |            |                   |                 |                     | Item Number / Title [DODIC]:<br>1 / TS004 Surface Training Device Mods [TS004] |                |               |                   |                |            |                   |
| ID Code (A=Service Ready, B=Not Service Ready) :                                                                                       |                |            |                   |                |            |                                                                      |                |            |                   | MDAP/MAIS Code: |                     |                                                                                |                |               |                   |                |            |                   |
| Resource Summary                                                                                                                       |                |            |                   | Prior Years    |            | FY 2014                                                              |                | FY 2015    |                   | FY 2016 Base    |                     | FY 2016 OCO                                                                    |                | FY 2016 Total |                   |                |            |                   |
| Procurement Quantity (Units in Each)                                                                                                   |                |            |                   | -              |            | -                                                                    |                | -          |                   | -               |                     | -                                                                              |                | -             |                   |                |            |                   |
| Gross/Weapon System Cost (\$ in Millions)                                                                                              |                |            |                   | 133.165        |            | 43.213                                                               |                | -          |                   | -               |                     | -                                                                              |                | -             |                   |                |            |                   |
| Less PY Advance Procurement (\$ in Millions)                                                                                           |                |            |                   | -              |            | -                                                                    |                | -          |                   | -               |                     | -                                                                              |                | -             |                   |                |            |                   |
| Net Procurement (P1) (\$ in Millions)                                                                                                  |                |            |                   | 133.165        |            | 43.213                                                               |                | -          |                   | -               |                     | -                                                                              |                | -             |                   |                |            |                   |
| Plus CY Advance Procurement (\$ in Millions)                                                                                           |                |            |                   | -              |            | -                                                                    |                | -          |                   | -               |                     | -                                                                              |                | -             |                   |                |            |                   |
| Total Obligation Authority (\$ in Millions)                                                                                            |                |            |                   | 133.165        |            | 43.213                                                               |                | -          |                   | -               |                     | -                                                                              |                | -             |                   |                |            |                   |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) |                |            |                   |                |            |                                                                      |                |            |                   |                 |                     |                                                                                |                |               |                   |                |            |                   |
| Initial Spares (\$ in Millions)                                                                                                        |                |            |                   | -              |            | 0.128                                                                |                | -          |                   | -               |                     | -                                                                              |                | -             |                   |                |            |                   |
| Gross/Weapon System Unit Cost (\$ in Dollars)                                                                                          |                |            |                   | -              |            | -                                                                    |                | -          |                   | -               |                     | -                                                                              |                | -             |                   |                |            |                   |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.                                                |                |            |                   |                |            |                                                                      |                |            |                   |                 |                     |                                                                                |                |               |                   |                |            |                   |
| Cost Elements                                                                                                                          | Prior Years    |            |                   | FY 2014        |            |                                                                      | FY 2015        |            |                   | FY 2016 Base    |                     |                                                                                | FY 2016 OCO    |               |                   | FY 2016 Total  |            |                   |
|                                                                                                                                        | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M)                                                    | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)  | Qty (Each)          | Total Cost (\$ M)                                                              | Unit Cost (\$) | Qty (Each)    | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| Hardware - Trainers Cost Cost                                                                                                          |                |            |                   |                |            |                                                                      |                |            |                   |                 |                     |                                                                                |                |               |                   |                |            |                   |
| Recurring Cost                                                                                                                         |                |            |                   |                |            |                                                                      |                |            |                   |                 |                     |                                                                                |                |               |                   |                |            |                   |
| 1.1.1) SURFACE MINOR MODS <sup>(1)</sup>                                                                                               | -              | -          | 97.550            | -              | -          | 6.656                                                                | -              | -          | -                 | -               | -                   | -                                                                              | -              | -             | -                 | -              | -          | -                 |
| 1.1.2) Navy Integrated Fire Control-Counter Air (NIFC-CA) Trainer <sup>(2)</sup>                                                       | -              | -          | -                 | -              | -          | 1.500                                                                | -              | -          | -                 | -               | -                   | -                                                                              | -              | -             | -                 | -              | -          | -                 |
| 1.1.4) FCA TRAINERS <sup>(3)</sup>                                                                                                     | -              | -          | 5.287             | -              | -          | 2.465                                                                | -              | -          | -                 | -               | -                   | -                                                                              | -              | -             | -                 | -              | -          | -                 |
| 1.1.5) FFT/SLEP/ MODULAR TRAINER <sup>(4)</sup>                                                                                        | -              | -          | 9.673             | -              | -          | 0.922                                                                | -              | -          | -                 | -               | -                   | -                                                                              | -              | -             | -                 | -              | -          | -                 |
| 1.1.6) NAVIGATION TRAINING SUPPORT <sup>(5)</sup>                                                                                      | -              | -          | 1.055             | -              | -          | 0.600                                                                | -              | -          | -                 | -               | -                   | -                                                                              | -              | -             | -                 | -              | -          | -                 |
| 1.1.7) AEGIS ASHORE TRAINER/ C4I/5.0CU/Tech Refresh <sup>(6)</sup>                                                                     | -              | -          | 19.600            | -              | -          | 23.900                                                               | -              | -          | -                 | -               | -                   | -                                                                              | -              | -             | -                 | -              | -          | -                 |
| 1.1.8) COMBINED IAMD/ASW TRAINER (CIAT) <sup>(7)</sup>                                                                                 | -              | -          | -                 | -              | -          | 3.570                                                                | -              | -          | -                 | -               | -                   | -                                                                              | -              | -             | -                 | -              | -          | -                 |

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| Exhibit P-5, Cost Analysis: PB 2016 Navy                                                                                                                                                                                                                                                                                                                       |                   |               |                      |                   |               |                                                                      |                   |               |                      |                   |                 | Date: February 2015                                                               |                   |               |                      |                   |               |                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------|----------------------|-------------------|---------------|----------------------------------------------------------------------|-------------------|---------------|----------------------|-------------------|-----------------|-----------------------------------------------------------------------------------|-------------------|---------------|----------------------|-------------------|---------------|----------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7                                                                                                                                                                                                                                                                                       |                   |               |                      |                   |               | P-1 Line Item Number / Title:<br>5660 / Surface Training Device Mods |                   |               |                      |                   |                 | Item Number / Title [DODIC]:<br>1 / TS004 Surface Training Device Mods<br>[TS004] |                   |               |                      |                   |               |                      |
| ID Code (A=Service Ready, B=Not Service Ready) :                                                                                                                                                                                                                                                                                                               |                   |               |                      |                   |               |                                                                      |                   |               |                      |                   | MDAP/MAIS Code: |                                                                                   |                   |               |                      |                   |               |                      |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.                                                                                                                                                                                                                                                                        |                   |               |                      |                   |               |                                                                      |                   |               |                      |                   |                 |                                                                                   |                   |               |                      |                   |               |                      |
| Cost Elements                                                                                                                                                                                                                                                                                                                                                  | Prior Years       |               |                      | FY 2014           |               |                                                                      | FY 2015           |               |                      | FY 2016 Base      |                 |                                                                                   | FY 2016 OCO       |               |                      | FY 2016 Total     |               |                      |
|                                                                                                                                                                                                                                                                                                                                                                | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M)                                                 | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each)   | Total Cost<br>(\$ M)                                                              | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) |
| 1.1.9) NAVY TRAINING SYSTEM PLAN (NTSP TTE/TD MODS) <sup>(8)</sup>                                                                                                                                                                                                                                                                                             | -                 | -             | -                    | -                 | -             | 3.600                                                                | -                 | -             | -                    | -                 | -               | -                                                                                 | -                 | -             | -                    | -                 | -             | -                    |
| Subtotal: Recurring Cost                                                                                                                                                                                                                                                                                                                                       | -                 | -             | 133.165              | -                 | -             | 43.213                                                               | -                 | -             | -                    | -                 | -               | -                                                                                 | -                 | -             | -                    | -                 | -             | -                    |
| Subtotal: Hardware - Trainers Cost Cost                                                                                                                                                                                                                                                                                                                        | -                 | -             | 133.165              | -                 | -             | 43.213                                                               | -                 | -             | -                    | -                 | -               | -                                                                                 | -                 | -             | -                    | -                 | -             | -                    |
| Gross/Weapon System Cost                                                                                                                                                                                                                                                                                                                                       | -                 | -             | 133.165              | -                 | -             | 43.213                                                               | -                 | -             | -                    | -                 | -               | -                                                                                 | -                 | -             | -                    | -                 | -             | -                    |
| Footnotes:                                                                                                                                                                                                                                                                                                                                                     |                   |               |                      |                   |               |                                                                      |                   |               |                      |                   |                 |                                                                                   |                   |               |                      |                   |               |                      |
| <sup>(1)</sup> SURFACE MINOR MODS - Modifications are required to meet safety standards, keep training systems compatible with equivalent changes made to fleet operational equipment, and to enhance training capabilities. These modifications support the 300+ fielded Surface training systems.                                                            |                   |               |                      |                   |               |                                                                      |                   |               |                      |                   |                 |                                                                                   |                   |               |                      |                   |               |                      |
| <sup>(2)</sup> NIFC-CA Trainer - Funds are for the procurement and integration of models to allow for NIFC-CA and Engage on Remote training at ATRC Labs.                                                                                                                                                                                                      |                   |               |                      |                   |               |                                                                      |                   |               |                      |                   |                 |                                                                                   |                   |               |                      |                   |               |                      |
| <sup>(3)</sup> FCA TRAINERS - Funds are provided for upgrades to shore based trainers (Combat System, HM&E) in Fleet Concentration Areas.                                                                                                                                                                                                                      |                   |               |                      |                   |               |                                                                      |                   |               |                      |                   |                 |                                                                                   |                   |               |                      |                   |               |                      |
| <sup>(4)</sup> FFT/SLEP/MODULAR TRAINER- Funds are provided for the Service Life Extension Program (SLEP) Firefighter Trainer (FFT).                                                                                                                                                                                                                           |                   |               |                      |                   |               |                                                                      |                   |               |                      |                   |                 |                                                                                   |                   |               |                      |                   |               |                      |
| <sup>(5)</sup> NAVIGATION TRAINING SUPPORT - Funds are provided for modifications/upgrades to Navigation Shore Based Trainers.                                                                                                                                                                                                                                 |                   |               |                      |                   |               |                                                                      |                   |               |                      |                   |                 |                                                                                   |                   |               |                      |                   |               |                      |
| <sup>(6)</sup> AEGIS ASHORE TRAINER/C4I/5.0CU/Tech Refresh -Funds modifications, delivery, installation and life-cycle maintenance support of a high fidelity Aegis Ashore Team Trainer in support of the land-based Aegis Ashore Training Continuum. Funds also provide for the integration of a C4I component, 5.0 Capability Upgrade (CU) and tech refresh. |                   |               |                      |                   |               |                                                                      |                   |               |                      |                   |                 |                                                                                   |                   |               |                      |                   |               |                      |
| <sup>(7)</sup> COMBINED IAMD/ASW TRAINER (CIAT) -Funds are provided to procure and install hardware for a Shore Based IAMD and ASW Trainer.                                                                                                                                                                                                                    |                   |               |                      |                   |               |                                                                      |                   |               |                      |                   |                 |                                                                                   |                   |               |                      |                   |               |                      |
| <sup>(8)</sup> Funds are provided for the procurement and installation of training equipment and associated logistic support package as outlined in the NTSPs.                                                                                                                                                                                                 |                   |               |                      |                   |               |                                                                      |                   |               |                      |                   |                 |                                                                                   |                   |               |                      |                   |               |                      |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |         |                                    |              |             |                                                                        |         | Date: February 2015             |         |         |             |            |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7:<br>Other Expendable Ordnance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |         |                                    |              |             | P-1 Line Item Number / Title:<br>5661 / Submarine Training Device Mods |         |                                 |         |         |             |            |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |         | Program Elements for Code B Items: |              |             |                                                                        |         | Other Related Program Elements: |         |         |             |            |
| Resource Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Prior Years | FY 2014 | FY 2015                            | FY 2016 Base | FY 2016 OCO | FY 2016 Total                                                          | FY 2017 | FY 2018                         | FY 2019 | FY 2020 | To Complete | Total      |
| Procurement Quantity (Units in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -           | -       | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | -          |
| Gross/Weapon System Cost (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 291.058     | 26.672  | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | 317.730    |
| Less PY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -           | -       | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | -          |
| Net Procurement (P1) (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 291.058     | 26.672  | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | 317.730    |
| Plus CY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -           | -       | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | -          |
| Total Obligation Authority (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 291.058     | 26.672  | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | 317.730    |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |         |                                    |              |             |                                                                        |         |                                 |         |         |             |            |
| Initial Spares (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -           | 0.397   | -                                  | 0.112        | -           | 0.112                                                                  | 0.158   | 0.105                           | 0.103   | 0.111   | Continuing  | Continuing |
| Flyaway Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -           | -       | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | -          |
| Gross/Weapon System Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -           | -       | -                                  | -            | -           | -                                                                      | -       | -                               | -       | -       | -           | -          |
| Description:<br>This line provides funds to modify/upgrade training devices to keep them compatible with equivalent changes made to Fleet operational equipment and to implement Training Enhancement Changes (TECs) to the trainer systems capabilities.<br><br>[P40A / TD002: SUBMARINE TRAINING DEVICE MODS]: Provides funding for modifications which are upgrades to submarine training systems and TECs which are centrally managed systems. These improvements/upgrades are required to keep training systems, such as the Ship Control Operator Trainer (SCOT) and Submarine Bridge Trainer (SBT), compatible with equivalent changes made to fleet operational equipment and to change trainer capabilities to meet emergent training requirements.<br><br>[P40A / TD006: SUB COAET]: TD006 SUBMARINE COMMON OPERATIONAL ANALYSIS AND EMPLOYMENT TRAINER (COAET)<br>The COAET is an interactive, fundamental skills-level and employment skills trainer. It allows for introduction of new fleet requirements and upgrades. The purpose of these devices is to provide operator and introductory team training to submarine force personnel prior to entry into the full-up Submarine Multi Mission Team Trainer (SMMTT). It also provides supplemental training to off-load the heavily utilized attack center trainers. COAET provides training utilizing partial tactical builds and emulations of the latest Sonar and Combat Control Systems. These devices provide an environment substantially equivalent to that found on board ship, thus enabling students to develop and maintain the attack center expertise necessary to support Fleet operations. Also provides funding for TECs, Virtualized Tactical Control (VTAC), Advanced Processing Build (APB)/ Technical Insertion (TI), and Sonar Tactical Decision Aid (STDA) implementation.<br><br>[P40A / TD009: SMMTT PH3]: TD009 SUBMARINE MULTI MISSION TEAM TRAINER (SMMTT)<br>To achieve desired submarine force readiness levels, it is necessary to construct highly sophisticated shore based Combat System Team Trainers capable of training personnel in all aspects of submarine approach, attack and surveillance operations in a controlled, simulated environment. Includes funding for TECs.<br><br>The Combat Control System (CCS) AN/BYG-1 is installed on SSN/SSBN/SSGN Class submarines, and there are currently plans to further upgrade these systems with the hardware revisions which provide enhanced warfighter capabilities. The Tactical Acoustic Rapid COTS (commercial-off-the-shelf) Insertion (ARCI) AN/BQQ-10 phased upgrades are being installed with the next revision which provides enhanced warfighter capabilities. These CCS and ARCI upgrades to the AN/BYG1 and BQQ-10 systems directly impact shore based Team Trainers. SMMTT also includes annual Tactical Imaging TI/APB upgrades that support multiple classes of submarines.<br>The Submarine Multi-Mission Team Trainer (SMMTT) supports operator, employment, strike, and Battle Group training for enlisted and officer pipelines for these systems. The SMMTT provides operators and combat teams the opportunity to train ashore, prior to, and between deployments. The shore based training provides a means of maintaining team proficiency prior to ship deployment. SMMTT is also used for SSN/SSGN crew certification. |             |         |                                    |              |             |                                                                        |         |                                 |         |         |             |            |

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           | <b>Date:</b> February 2015                                                    |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           | <b>P-1 Line Item Number / Title:</b><br>5661 / Submarine Training Device Mods |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Program Elements for Code B Items:</b> | <b>Other Related Program Elements:</b>                                        |
| <p>SMMTT replaced all Military (MIL) Standard hardware in previous systems with commercial emulation hardware, enabling platform independence and wide area network capability. The use of Open Architecture (OA) trainer systems allows for the continuous growth of functional flexibility ultimately leading to employment training conducted for any submarine combat system.</p> <p>Plans are established to likewise upgrade submarine tactical systems to an OA, and the trainers will be compatible with the tactical interfaces. This program includes modifications to the functionality of the Periscope Simulator (PSIM) to provide common imaging training for CCS trainers and includes Electronic Surveillance Simulation Software. Recent tactical CCS change the interfaces for the software updates to the navigation submarine trainers.</p> <p>SMMTT is also used for SSGN crew certification prior to crew flyaway for crew swapout. The use of Open Architecture (OA) trainer systems allows for the continuous growth of functional flexibility ultimately leading to employment training conducted for any submarine combat system.</p> <p>Legacy SMMTT supports SSBN Crew Certification and predeployment training as required by the Type Commander. LSMMTT also supports SSNs that have not been modernized in the TI/APB process including SSN 774 class submarines. LSMMTT is a combination of tactical combat controls in sonar systems driven by simulation/stimulation devices and leverages additional trainer simulation/auxiliary ship systems. The VA SMMTT kit procurements are merged with the SMMTT kit upgrades resulting in an increase in unit cost.</p> <p>FY13 procured 5 items: Procures one SMMTT EPM updates to match the latest Fleet tactical build for SSNs and unique sensors; procures four SMMTT kit upgrades to appropriate APB and TI; procures one SMMTT kit in Guam; procures four SMMTT upgrade kits with TI0x advanced sensor mods.</p> <p>FY14 procures 5 items: Procures one SMMTT EPM updates to match the latest Fleet tactical build for SSNs and unique sensors; procures four SMMTT kit upgrades to appropriate APB and TI; procures one SMMTT kit in Guam; procures four SMMTT upgrade kits with TI0x advanced sensor mods.</p> <p>[P40A / TD015: SNADIS]: TD015 SNADIS<br/>SUBMARINE NON-TACTICAL APPLICATIONS DELIVERY INTERFACE SYSTEM (SNADIS) NETWORK: This system has been identified by the Submarine Type Commanders and approved by CNO to enable access to all data required to support Fleet Operational, Training, and Administrative requirements through a single, common, force-wide information delivery application interface. This program is for technical data, logistics, and training delivery management. The program must operate within the IT21/NMCI network infrastructure; and should leverage both the VIRGINIA Class paperless ship initiatives and the Navy's non-tactical application development managed by SPAWAR, as well as recognize shipboard requirements for complete non-tactical applications integration. SNADIS program discontinues after FY11.</p> |                                           |                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                                                               |

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                 |                 |              |                                                  |                                                  |                                                                               |                                                  | <b>Date:</b> February 2015                       |                                                  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance                                                                            |                 |              |                                                  |                                                  | <b>P-1 Line Item Number / Title:</b><br>5661 / Submarine Training Device Mods |                                                  |                                                  |                                                  |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                         |                 |              | <b>Program Elements for Code B Items:</b>        |                                                  |                                                                               | <b>Other Related Program Elements:</b>           |                                                  |                                                  |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                          |                 |              | <b>Prior Years</b>                               | <b>FY 2014</b>                                   | <b>FY 2015</b>                                                                | <b>FY 2016 Base</b>                              | <b>FY 2016 OCO</b>                               | <b>FY 2016 Total</b>                             |
| <b>Title*</b>                                                                                                                                                                                                                                     | <b>Exhibits</b> | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                              | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| Submarine Training Device Mods                                                                                                                                                                                                                    | P-40a, P-5a     |              | - / 140.431                                      | - / 11.879                                       | - / -                                                                         | - / -                                            | - / -                                            | - / -                                            |
| 1 / TD009 SMMTT PH3 MODIFICATIONS ()                                                                                                                                                                                                              | P-3a            |              | - / 110.380                                      | - / 10.893                                       | - / -                                                                         | - / -                                            | - / -                                            | - / -                                            |
| 2 / TD009 SMMTT PH3 MODS GUAM ()                                                                                                                                                                                                                  | P-3a            |              | - / 7.938                                        | - / -                                            | - / -                                                                         | - / -                                            | - / -                                            | - / -                                            |
| 3 / TD009 SMMTT PH3 MODS SEAWOLF SMMTT ()                                                                                                                                                                                                         | P-3a            |              | - / 6.378                                        | - / -                                            | - / -                                                                         | - / -                                            | - / -                                            | - / -                                            |
| 4 / TD009 SMMTT PH3 MODS TI-OX SMMTT ()                                                                                                                                                                                                           | P-3a            |              | - / 14.155                                       | - / 3.900                                        | - / -                                                                         | - / -                                            | - / -                                            | - / -                                            |
| 5 / TD009 SMMTT PH3 MODS VA CLASS SMMTT ()                                                                                                                                                                                                        | P-3a            |              | - / 11.776                                       | - / -                                            | - / -                                                                         | - / -                                            | - / -                                            | - / -                                            |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                             |                 |              | <b>- / 291.058</b>                               | <b>- / 26.672</b>                                | <b>- / -</b>                                                                  | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / -</b>                                     |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                          |                 |              | <b>FY 2017</b>                                   | <b>FY 2018</b>                                   | <b>FY 2019</b>                                                                | <b>FY 2020</b>                                   | <b>To Complete</b>                               | <b>Total</b>                                     |
| <b>Title*</b>                                                                                                                                                                                                                                     | <b>Exhibits</b> | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                              | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| Submarine Training Device Mods                                                                                                                                                                                                                    | P-40a, P-5a     |              | - / -                                            | - / -                                            | - / -                                                                         | - / -                                            | - / -                                            | - / -                                            |
| 1 / TD009 SMMTT PH3 MODIFICATIONS ()                                                                                                                                                                                                              | P-3a            |              | - / -                                            | - / -                                            | - / -                                                                         | - / -                                            | - / -                                            | - / 121.273                                      |
| 2 / TD009 SMMTT PH3 MODS GUAM ()                                                                                                                                                                                                                  | P-3a            |              | - / -                                            | - / -                                            | - / -                                                                         | - / -                                            | - / -                                            | - / 7.938                                        |
| 3 / TD009 SMMTT PH3 MODS SEAWOLF SMMTT ()                                                                                                                                                                                                         | P-3a            |              | - / -                                            | - / -                                            | - / -                                                                         | - / -                                            | - / -                                            | - / 6.378                                        |
| 4 / TD009 SMMTT PH3 MODS TI-OX SMMTT ()                                                                                                                                                                                                           | P-3a            |              | - / -                                            | - / -                                            | - / -                                                                         | - / -                                            | - / -                                            | - / 18.055                                       |
| 5 / TD009 SMMTT PH3 MODS VA CLASS SMMTT ()                                                                                                                                                                                                        | P-3a            |              | - / -                                            | - / -                                            | - / -                                                                         | - / -                                            | - / -                                            | - / 11.776                                       |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                             |                 |              | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / -</b>                                                                  | <b>- / -</b>                                     | <b>- / -</b>                                     | <b>- / 317.730</b>                               |
| *Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown. |                 |              |                                                  |                                                  |                                                                               |                                                  |                                                  |                                                  |
| Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.                                                                                                                                                                    |                 |              |                                                  |                                                  |                                                                               |                                                  |                                                  |                                                  |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  | <b>Date:</b> February 2015                                       |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5661 / Submarine Training Device Mods |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Submarine Training Device Mods |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                        | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|----------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                    |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) TD002: SUBMARINE TRAINING DEVICE MODS           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) SUBMARINE TRAINING DEVICE MODS                | A     |                | -              | -          | 11.720            | -              | -          | 1.151             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.2) SCOT MODS                                     | A     |                | -              | -          | 5.203             | -              | -          | 1.104             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) TD002: SUBMARINE TRAINING DEVICE MODS |       |                | -              | -          | 16.923            | -              | -          | 2.255             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2) TD006: SUB COAET                                |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) MODIFICATIONS <sup>(†)</sup>                  | A     |                | 742,718.75     | 32         | 23.767            | 1,022K         | 4          | 4.088             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 2) TD006: SUB COAET                      |       |                | -              | -          | 23.767            | -              | -          | 4.088             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3) TD009: SMMTT PH3 <sup>(1)</sup>                 |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 3.1) EPM - SMMTT SSN <sup>(†)</sup>                | A     |                | 2,304K         | 8          | 18.431            | 2,033K         | 1          | 2.033             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3.2) TECH SUPPORT                                  | A     |                | -              | -          | 32.113            | -              | -          | 3.503             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3.3) MODS VA CLASS SMMTT EPM <sup>(†)</sup>        | A     |                | 3,763K         | 4          | 15.052            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3.5) MODS OBTT SMMTT                               | A     |                | -              | -          | 3.750             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 3) TD009: SMMTT PH3                      |       |                | -              | -          | 69.346            | -              | -          | 5.536             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 4) TD015: SNADIS                                   |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 4.1) MODIFICATIONS                                 | A     |                | -              | -          | 30.395            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 4) TD015: SNADIS                         |       |                | -              | -          | 30.395            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Total                                              |       |                | -              | -          | 140.431           | -              | -          | 11.879            | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

| Item Number / Title [DODIC]              | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                          |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) TD002: SUBMARINE TRAINING DEVICE MODS |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) SUBMARINE TRAINING DEVICE MODS      | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.2) SCOT MODS                           | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |



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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                               |  |  |  |  |  |  | <b>Date:</b> February 2015                                       |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5661 / Submarine Training Device Mods |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Submarine Training Device Mods |  |  |  |  |

| Item Number / Title [DODIC]                        | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|----------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                    |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| Subtotal: 1) TD002: SUBMARINE TRAINING DEVICE MODS |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 2) TD006: SUB COAET                                |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) MODIFICATIONS <sup>(†)</sup>                  | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 2) TD006: SUB COAET                      |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3) TD009: SMMTT PH3 <sup>(1)</sup>                 |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 3.1) EPM - SMMTT SSN <sup>(†)</sup>                | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3.2) TECH SUPPORT                                  | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3.3) MODS VA CLASS SMMTT EPM <sup>(†)</sup>        | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 3.5) MODS OBTT SMMTT                               | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 3) TD009: SMMTT PH3                      |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 4) TD015: SNADIS                                   |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 4.1) MODIFICATIONS                                 | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 4) TD015: SNADIS                         |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Total                                              |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |

<sup>(†)</sup> indicates the presence of a P-5a

**Footnotes:**

<sup>(1)</sup> Beginning in FY12, the TD009 cost code VA CLASS SMMTT kit procurements are merged with the SMMTT kit upgrades resulting in an increase in unit cost.

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| Exhibit P-5a, Procurement History and Planning: PB 2016 Navy             |     |      |                                                                        |                                      |                 |               |                              | Date: February 2015                                 |                   |                        |                               |                      |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7 |     |      | P-1 Line Item Number / Title:<br>5661 / Submarine Training Device Mods |                                      |                 |               |                              | Aggregated Items:<br>Submarine Training Device Mods |                   |                        |                               |                      |
| Item Number / Title [DODIC]                                              | OCO | FY   | Contractor and Location                                                | Method/Type<br>or<br>Funding Vehicle | Location of PCO | Award<br>Date | Date<br>of First<br>Delivery | Qty<br>(Each)                                       | Unit Cost<br>(\$) | Specs<br>Avail<br>Now? | Date<br>Revision<br>Available | RFP<br>Issue<br>Date |
| 2) TD006: SUB COAET                                                      |     |      |                                                                        |                                      |                 |               |                              |                                                     |                   |                        |                               |                      |
| 2.1) MODIFICATIONS                                                       |     | 2012 | NSWC CD / BETHESDA, MD                                                 | Reqn                                 | NAVSEA          | Nov 2011      | Jul 2012                     | 4                                                   | 981,000.00        | Y                      |                               |                      |
| 2.1) MODIFICATIONS                                                       |     | 2013 | NSWC CD / BETHESDA, MD                                                 | Reqn                                 | NAVSEA          | Nov 2012      | Jul 2013                     | 4                                                   | 539,250.00        | Y                      |                               |                      |
| 2.1) MODIFICATIONS                                                       |     | 2014 | NSWC CD / BETHESDA, MD                                                 | C / TBD                              | ** NO PCO **    | Oct 2013      | Jun 2014                     | 4                                                   | 1,022K            | N                      |                               |                      |
| 3) TD009: SMMTT PH3                                                      |     |      |                                                                        |                                      |                 |               |                              |                                                     |                   |                        |                               |                      |
| 3.1) EPM - SMMTT SSN                                                     |     | 2011 | NSWC CD / BETHESDA, MD                                                 | Reqn                                 | NAVSEA          | Nov 2010      | May 2011                     | 1                                                   | 1,912K            | Y                      |                               |                      |
| 3.1) EPM - SMMTT SSN                                                     |     | 2012 | NSWC CD / BETHESDA, MD                                                 | Reqn                                 | NAVSEA          | Nov 2011      | May 2012                     | 1                                                   | 1,950K            | Y                      |                               |                      |
| 3.1) EPM - SMMTT SSN                                                     |     | 2013 | NSWC CD / BETHESDA, MD                                                 | Reqn                                 | NAVSEA          | Nov 2012      | May 2013                     | 1                                                   | 1,993K            | Y                      |                               |                      |
| 3.3) MODS VA CLASS SMMTT EPM                                             |     | 2011 | NSWC CD / BETHESDA, MD                                                 | Reqn                                 | ** NO PCO **    | Nov 2010      | Aug 2011                     | 1                                                   | 581,000.00        | Y                      |                               |                      |

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                                                                                                                                                       |             |         |         |                                                                        |             |               |         |         | Date: February 2015                                                  |         |             |         |
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| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7                                                                                                                                  |             |         |         | P-1 Line Item Number / Title:<br>5661 / Submarine Training Device Mods |             |               |         |         | Modification Number / Title:<br>1 / TD009 SMMTT PH3<br>MODIFICATIONS |         |             |         |
| Resource Summary                                                                                                                                                                                          | Prior Years | FY 2014 | FY 2015 | FY 2016 Base                                                           | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019                                                              | FY 2020 | To Complete | Total   |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                                                                               | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                                    | -       | -           | -       |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                                                                                          | 110.380     | 10.893  | -       | -                                                                      | -           | -             | -       | -       | -                                                                    | -       | -           | 121.273 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                       | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                                    | -       | -           | -       |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                                                                              | 110.380     | 10.893  | -       | -                                                                      | -           | -             | -       | -       | -                                                                    | -       | -           | 121.273 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                                                                                       | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                                    | -       | -           | -       |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                                                                                        | 110.380     | 10.893  | -       | -                                                                      | -           | -             | -       | -       | -                                                                    | -       | -           | 121.273 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                                                    |             |         |         |                                                                        |             |               |         |         |                                                                      |         |             |         |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                                                                                    | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                                    | -       | -           | -       |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                                                                                      | -           | -       | -       | -                                                                      | -           | -             | -       | -       | -                                                                    | -       | -           | -       |
| Description:<br>SMMTT upgrades to hardware and simulation to match current Fleet configurations.<br><br>[SMMTT PH3 MODS] SMMTT upgrades to hardware and simulation to match current Fleet configurations. |             |         |         |                                                                        |             |               |         |         |                                                                      |         |             |         |
|                                                                                                                                                                                                           |             |         |         |                                                                        |             |               |         |         |                                                                      |         |             |         |

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| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   | Date: February 2015               |                                   |                                                                      |                                   |                                   |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7 |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5661 / Submarine Training Device Mods |                                   |                                   |                                   |                                   |                                   | Modification Number / Title:<br>1 / TD009 SMMTT PH3<br>MODIFICATIONS |                                   |                                   |  |
| Models of Systems Affected: SMMTT PH3<br>MODIFICATIONS                   |                                   |                                   |                                   | Modification Type:                                                     |                                   |                                   |                                   |                                   | Related RDT&E PEs:                |                                                                      |                                   |                                   |  |
| Financial Plan                                                           | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                        | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                           | FY 2019                           | FY 2020                                                              | To<br>Complete                    | Total                             |  |
|                                                                          | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                      | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                    | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |  |
| Procurement                                                              |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                   |                                                                      |                                   |                                   |  |
| Modification Item 1 of 1: TD009 SMMTT PH3<br>MODIFICATIONS               |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                   |                                                                      |                                   |                                   |  |
| B Kits                                                                   |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                   |                                                                      |                                   |                                   |  |
| Recurring                                                                |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                   |                                                                      |                                   |                                   |  |
| 1.1.1) SMMTT PH3 MODS - NonOrganic <sup>(2)</sup>                        | 32 / 107.448                      | 4 / 10.253                        | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                | - / -                             | 36 / 117.701                      |  |
| Subtotal: Recurring                                                      | - / 107.448                       | - / 10.253                        | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                | - / -                             | - / 117.701                       |  |
| Subtotal: TD009 SMMTT PH3 MODIFICATIONS                                  | 32 / 107.448                      | 4 / 10.253                        | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                | - / -                             | 36 / 117.701                      |  |
| Subtotal: Procurement, All Modification Items                            | - / 107.448                       | - / 10.253                        | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                | - / -                             | - / 117.701                       |  |
| Installation                                                             |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                   |                                                                      |                                   |                                   |  |
| Modification Item 1 of 1: TD009 SMMTT PH3<br>MODIFICATIONS               | - / 2.932                         | - / 0.640                         | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                | - / -                             | - / 3.572                         |  |
| Subtotal: Installation                                                   | - / 2.932                         | - / 0.640                         | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                | - / -                             | - / 3.572                         |  |
| Total                                                                    |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                   |                                                                      |                                   |                                   |  |
| Total Cost (Procurement + Support + Installation)                        | 110.380                           | 10.893                            | -                                 | -                                                                      | -                                 | -                                 | -                                 | -                                 | -                                 | -                                                                    | -                                 | 121.273                           |  |

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|---------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------|--|----------------------------|--------------------------------------------------------------------------|--|--|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |  |                                                                               |  | <b>Date:</b> February 2015 |                                                                          |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 |  | <b>P-1 Line Item Number / Title:</b><br>5661 / Submarine Training Device Mods |  |                            | <b>Modification Number / Title:</b><br>1 / TD009 SMMTT PH3 MODIFICATIONS |  |  |

**Modification Item 1 of 1:** TD009 SMMTT PH3 MODIFICATIONS

| Manufacturer Information                           |          |         |         |                                                  |         |         |         |
|----------------------------------------------------|----------|---------|---------|--------------------------------------------------|---------|---------|---------|
| Manufacturer Name: NSWC CD/NUWC NPT <sup>(3)</sup> |          |         |         | Manufacturer Location: BETHESDA, MD/ NEWPORT, RI |         |         |         |
| Administrative Leadtime (in Months): 6             |          |         |         | Production Leadtime (in Months): 17              |         |         |         |
| Dates                                              | FY 2014  | FY 2015 | FY 2016 | FY 2017                                          | FY 2018 | FY 2019 | FY 2020 |
| Contract Dates                                     | Jan 2014 |         |         |                                                  |         |         |         |
| Delivery Dates                                     | May 2015 |         |         |                                                  |         |         |         |

**Installation Information**

**Method of Implementation:** AIT:: Installation Name: SMMTT PH3 MODS

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 26 / 2.932                     | 4 / 0.640                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 30 / 3.572                     |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 26 / 2.932                     | 4 / 0.640                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 30 / 3.572                     |

| Installation Schedule |     |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |    |     |
|-----------------------|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|                       | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    |    |     |
|                       |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | TC | Tot |
| In                    | 26  | 1       | 1  | 1  | 1  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | 30 |     |
| Out                   | 26  | 1       | 1  | 1  | 1  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | 30 |     |

**Footnotes:**

<sup>(2)</sup> Production lead time increased from an average of 11 months to 17 months due to an increase in Tactical TI/APB scheduled deliveries to the fleet and Engineering Production Model.

<sup>(3)</sup> NSWC CD & NUWC NPT are collaborating warfare centers that manage and execute the SMMTT as directed by NAVSEA. Both warfare centers function as a prime for this effort. However, for cost efficiency purposes, they compete their cognizant tasks among multiple vendors with multiple orders to provide equipment/software in a timely manner to meet the fleet required training dates. As such, the SMMTT delivery is not linked to any single contract date.

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                                                                                    |                    |                |                |                                                                               |                    |                      |                |                |                | <b>Date:</b> February 2015                                           |                    |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|----------------|-------------------------------------------------------------------------------|--------------------|----------------------|----------------|----------------|----------------|----------------------------------------------------------------------|--------------------|--------------|
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7                                                               |                    |                |                | <b>P-1 Line Item Number / Title:</b><br>5661 / Submarine Training Device Mods |                    |                      |                |                |                | <b>Modification Number / Title:</b><br>2 / TD009 SMMTT PH3 MODS GUAM |                    |              |
| <b>Resource Summary</b>                                                                                                                       | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016 Base</b>                                                           | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b> | <b>FY 2018</b> | <b>FY 2019</b> | <b>FY 2020</b>                                                       | <b>To Complete</b> | <b>Total</b> |
| Procurement Quantity <i>(Units in Each)</i>                                                                                                   | -                  | -              | -              | -                                                                             | -                  | -                    | -              | -              | -              | -                                                                    | -                  | -            |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                              | 7.938              | -              | -              | -                                                                             | -                  | -                    | -              | -              | -              | -                                                                    | -                  | 7.938        |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -                  | -              | -              | -                                                                             | -                  | -                    | -              | -              | -              | -                                                                    | -                  | -            |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                  | 7.938              | -              | -              | -                                                                             | -                  | -                    | -              | -              | -              | -                                                                    | -                  | 7.938        |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -                  | -              | -              | -                                                                             | -                  | -                    | -              | -              | -              | -                                                                    | -                  | -            |
| <b>Total Obligation Authority <i>(\$ in Millions)</i></b>                                                                                     | <b>7.938</b>       | -              | -              | -                                                                             | -                  | -                    | -              | -              | -              | -                                                                    | -                  | <b>7.938</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |                    |                |                |                                                                               |                    |                      |                |                |                |                                                                      |                    |              |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                        | -                  | -              | -              | -                                                                             | -                  | -                    | -              | -              | -              | -                                                                    | -                  | -            |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                          | -                  | -              | -              | -                                                                             | -                  | -                    | -              | -              | -              | -                                                                    | -                  | -            |
| <b>Description:</b><br>Provides SMMTT trainer to ships in Guam.<br><br>[GUAM SMMTT] Provides SMMTT trainer to ships in Guam.                  |                    |                |                |                                                                               |                    |                      |                |                |                |                                                                      |                    |              |

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|--------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                |                                |                                |                                                                        |                                |                                |                                | Date: February 2015                                           |                                |                                |                                |                                |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7 |                                |                                |                                | P-1 Line Item Number / Title:<br>5661 / Submarine Training Device Mods |                                |                                |                                | Modification Number / Title:<br>2 / TD009 SMMTT PH3 MODS GUAM |                                |                                |                                |                                |  |
| Models of Systems Affected: SMMTT PH3 MODS GUAM                          |                                |                                |                                | Modification Type:                                                     |                                |                                |                                | Related RDT&E PEs:                                            |                                |                                |                                |                                |  |
| Financial Plan                                                           | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                                                           | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                                                       | FY 2019                        | FY 2020                        | To Complete                    | Total                          |  |
|                                                                          | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                         | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |  |
| Procurement                                                              |                                |                                |                                |                                                                        |                                |                                |                                |                                                               |                                |                                |                                |                                |  |
| Modification Item 1 of 1: TD009 SMMTT PH3 MODS GUAM                      |                                |                                |                                |                                                                        |                                |                                |                                |                                                               |                                |                                |                                |                                |  |
| B Kits                                                                   |                                |                                |                                |                                                                        |                                |                                |                                |                                                               |                                |                                |                                |                                |  |
| Non-Recurring                                                            |                                |                                |                                |                                                                        |                                |                                |                                |                                                               |                                |                                |                                |                                |  |
| 1.1.1) GUAM SMMTT - NonOrganic                                           |                                | 1 / 7.498                      | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                         | - / -                          | - / -                          | - / -                          | 1 / 7.498                      |  |
| Subtotal: Non-Recurring                                                  |                                | - / 7.498                      | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                         | - / -                          | - / -                          | - / -                          | - / 7.498                      |  |
| Subtotal: TD009 SMMTT PH3 MODS GUAM                                      |                                | 1 / 7.498                      | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                         | - / -                          | - / -                          | - / -                          | 1 / 7.498                      |  |
| Subtotal: Procurement, All Modification Items                            |                                | - / 7.498                      | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                         | - / -                          | - / -                          | - / -                          | - / 7.498                      |  |
| Installation                                                             |                                |                                |                                |                                                                        |                                |                                |                                |                                                               |                                |                                |                                |                                |  |
| Modification Item 1 of 1: TD009 SMMTT PH3 MODS GUAM                      |                                | - / 0.440                      | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                         | - / -                          | - / -                          | - / -                          | - / 0.440                      |  |
| Subtotal: Installation                                                   |                                | - / 0.440                      | - / -                          | - / -                                                                  | - / -                          | - / -                          | - / -                          | - / -                                                         | - / -                          | - / -                          | - / -                          | - / 0.440                      |  |
| Total                                                                    |                                |                                |                                |                                                                        |                                |                                |                                |                                                               |                                |                                |                                |                                |  |
| Total Cost (Procurement + Support + Installation)                        |                                | 7.938                          | -                              | -                                                                      | -                              | -                              | -                              | -                                                             | -                              | -                              | -                              | 7.938                          |  |
|                                                                          |                                |                                |                                |                                                                        |                                |                                |                                |                                                               |                                |                                |                                |                                |  |

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|---------------------------------------------------------------------------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------|-------------------------------------|-----------|-----------|----------------|-----------|----------------------------------------------------------------------|-----------|----------------|-----------|-----------|-----------|----------------|-----------|-----------|-----------|-----------|------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |            |                                |                                |                                |                                |                                |                                |                                |                                | <b>Date:</b> February 2015                                                    |                                |                                |                                |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 |            |                                |                                |                                |                                |                                |                                |                                |                                | <b>P-1 Line Item Number / Title:</b><br>5661 / Submarine Training Device Mods |                                |                                |                                |                |                                     |           |           |                |           | <b>Modification Number / Title:</b><br>2 / TD009 SMMTT PH3 MODS GUAM |           |                |           |           |           |                |           |           |           |           |            |
| <b>Modification Item 1 of 1:</b> TD009 SMMTT PH3 MODS GUAM                      |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| <b>Manufacturer Information</b>                                                 |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| Manufacturer Name: NSWC CD                                                      |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                | Manufacturer Location: BETHESDA, MD |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| Administrative Leadtime (in Months): 6                                          |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                | Production Leadtime (in Months): 10 |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| <b>Dates</b>                                                                    |            | <b>FY 2014</b>                 |                                |                                |                                | <b>FY 2015</b>                 |                                |                                |                                | <b>FY 2016</b>                                                                |                                |                                |                                | <b>FY 2017</b> |                                     |           |           | <b>FY 2018</b> |           |                                                                      |           | <b>FY 2019</b> |           |           |           | <b>FY 2020</b> |           |           |           |           |            |
| Contract Dates                                                                  |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| Delivery Dates                                                                  |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| <b>Installation Information</b>                                                 |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| <b>Method of Implementation:</b> AIT:: Installation Name: GUAM SMMTT            |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| <b>Installation Cost</b>                                                        |            | <b>Prior Years</b>             | <b>FY 2014</b>                 | <b>FY 2015</b>                 | <b>FY 2016 Base</b>            | <b>FY 2016 OCO</b>             | <b>FY 2016 Total</b>           | <b>FY 2017</b>                 | <b>FY 2018</b>                 | <b>FY 2019</b>                                                                | <b>FY 2020</b>                 | <b>To Complete</b>             | <b>Total</b>                   |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
|                                                                                 |            | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M)                                                | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| Prior Years                                                                     |            | 1 / 0.440                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                         | - / -                          | - / -                          | 1 / 0.440                      |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| FY 2014                                                                         |            | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                         | - / -                          | - / -                          | - / -                          |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| FY 2015                                                                         |            | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                         | - / -                          | - / -                          | - / -                          |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| FY 2016                                                                         |            | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                         | - / -                          | - / -                          | - / -                          |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| FY 2017                                                                         |            | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                         | - / -                          | - / -                          | - / -                          |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| FY 2018                                                                         |            | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                         | - / -                          | - / -                          | - / -                          |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| FY 2019                                                                         |            | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                         | - / -                          | - / -                          | - / -                          |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| FY 2020                                                                         |            | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                         | - / -                          | - / -                          | - / -                          |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| To Complete                                                                     |            | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                         | - / -                          | - / -                          | - / -                          |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| Total                                                                           |            | 1 / 0.440                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                                                                         | - / -                          | - / -                          | 1 / 0.440                      |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
| <b>Installation Schedule</b>                                                    |            |                                |                                |                                |                                |                                |                                |                                |                                |                                                                               |                                |                                |                                |                |                                     |           |           |                |           |                                                                      |           |                |           |           |           |                |           |           |           |           |            |
|                                                                                 | <b>PYS</b> | <b>FY 2014</b>                 |                                |                                |                                | <b>FY 2015</b>                 |                                |                                |                                | <b>FY 2016</b>                                                                |                                |                                |                                | <b>FY 2017</b> |                                     |           |           | <b>FY 2018</b> |           |                                                                      |           | <b>FY 2019</b> |           |           |           | <b>FY 2020</b> |           |           |           | <b>TC</b> | <b>Tot</b> |
|                                                                                 |            | <b>Q1</b>                      | <b>Q2</b>                      | <b>Q3</b>                      | <b>Q4</b>                      | <b>Q1</b>                      | <b>Q2</b>                      | <b>Q3</b>                      | <b>Q4</b>                      | <b>Q1</b>                                                                     | <b>Q2</b>                      | <b>Q3</b>                      | <b>Q4</b>                      | <b>Q1</b>      | <b>Q2</b>                           | <b>Q3</b> | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b>                                                            | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> | <b>Q1</b>      | <b>Q2</b> | <b>Q3</b> | <b>Q4</b> |           |            |
| In                                                                              | 1          | -                              | -                              | -                              | -                              | -                              | -                              | -                              | -                              | -                                                                             | -                              | -                              | -                              | -              | -                                   | -         | -         | -              | -         | -                                                                    | -         | -              | -         | -         | -         | -              | -         | -         | -         | -         | 1          |
| Out                                                                             | 1          | -                              | -                              | -                              | -                              | -                              | -                              | -                              | -                              | -                                                                             | -                              | -                              | -                              | -              | -                                   | -         | -         | -              | -         | -                                                                    | -         | -              | -         | -         | -         | -              | -         | -         | -         | -         | 1          |



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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |  |  |  |                                                                               |  |  |  | <b>Date:</b> February 2015 |                                                                                  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5661 / Submarine Training Device Mods |  |  |  |                            | <b>Modification Number / Title:</b><br>3 / TD009 SMMTT PH3 MODS<br>SEAWOLF SMMTT |  |  |  |

| <b>Resource Summary</b>                                                                                                                       | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016 Base</b> | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b> | <b>FY 2018</b> | <b>FY 2019</b> | <b>FY 2020</b> | <b>To Complete</b> | <b>Total</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|--------------|
| Procurement Quantity <i>(Units in Each)</i>                                                                                                   | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -            |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                              | 6.378              | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | 6.378        |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -            |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                  | 6.378              | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | 6.378        |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -            |
| <b>Total Obligation Authority <i>(\$ in Millions)</i></b>                                                                                     | <b>6.378</b>       | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | <b>6.378</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |                    |                |                |                     |                    |                      |                |                |                |                |                    |              |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                        | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -            |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                          | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -            |

**Description:**

Provides SSN21 SEAWOLF Class SMMTT systems.

OSD12 comment - Type commander cancelled TI08 install and directed TI12 be delivered to better support SSN21 class modernization.

[SEAWOLF SMMTT] Provides SSN21 SEAWOLF Class SMMTT systems.

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|--------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------------------------------------------------|-----------------------------------|-----------------------------------|--|
| Exhibit P-3a, Individual Modification: PB 2016 Navy                      |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   | Date: February 2015               |                                   |                                                                           |                                   |                                   |  |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7 |                                   |                                   |                                   | P-1 Line Item Number / Title:<br>5661 / Submarine Training Device Mods |                                   |                                   |                                   |                                   |                                   | Modification Number / Title:<br>3 / TD009 SMMTT PH3 MODS<br>SEAWOLF SMMTT |                                   |                                   |  |
| Models of Systems Affected: SMMTT PH3 MODS<br>SEAWOLF SMMTT              |                                   |                                   |                                   | Modification Type:                                                     |                                   |                                   |                                   |                                   | Related RDT&E PEs:                |                                                                           |                                   |                                   |  |
| Financial Plan                                                           | Prior Years                       | FY 2014                           | FY 2015                           | FY 2016<br>Base                                                        | FY 2016<br>OCO                    | FY 2016<br>Total                  | FY 2017                           | FY 2018                           | FY 2019                           | FY 2020                                                                   | To<br>Complete                    | Total                             |  |
|                                                                          | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                      | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M)                                         | Qty (Each) /<br>Total Cost (\$ M) | Qty (Each) /<br>Total Cost (\$ M) |  |
| Procurement                                                              |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                   |                                                                           |                                   |                                   |  |
| Modification Item 1 of 1: TD009 SMMTT PH3 MODS<br>SEAWOLF SMMTT          |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                   |                                                                           |                                   |                                   |  |
| B Kits                                                                   |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                   |                                                                           |                                   |                                   |  |
| Non-Recurring                                                            |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                   |                                                                           |                                   |                                   |  |
| 1.1.1) SEAWOLF SMMTT - NonOrganic <sup>(4)</sup>                         |                                   | 2 / 6.178                         | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                     | - / -                             | 2 / 6.178                         |  |
| Subtotal: Non-Recurring                                                  |                                   | - / 6.178                         | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                     | - / -                             | - / 6.178                         |  |
| Subtotal: TD009 SMMTT PH3 MODS SEAWOLF<br>SMMTT                          |                                   | 2 / 6.178                         | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                     | - / -                             | 2 / 6.178                         |  |
| Subtotal: Procurement, All Modification Items                            |                                   | - / 6.178                         | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                     | - / -                             | - / 6.178                         |  |
| Installation                                                             |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                   |                                                                           |                                   |                                   |  |
| Modification Item 1 of 1: TD009 SMMTT PH3 MODS<br>SEAWOLF SMMTT          |                                   | - / 0.200                         | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                     | - / -                             | - / 0.200                         |  |
| Subtotal: Installation                                                   |                                   | - / 0.200                         | - / -                             | - / -                                                                  | - / -                             | - / -                             | - / -                             | - / -                             | - / -                             | - / -                                                                     | - / -                             | - / 0.200                         |  |
| Total                                                                    |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                   |                                                                           |                                   |                                   |  |
| Total Cost (Procurement + Support + Installation)                        |                                   | 6.378                             | -                                 | -                                                                      | -                                 | -                                 | -                                 | -                                 | -                                 | -                                                                         | -                                 | 6.378                             |  |
|                                                                          |                                   |                                   |                                   |                                                                        |                                   |                                   |                                   |                                   |                                   |                                                                           |                                   |                                   |  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                               | <b>Date:</b> February 2015                                                       |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 | <b>P-1 Line Item Number / Title:</b><br>5661 / Submarine Training Device Mods | <b>Modification Number / Title:</b><br>3 / TD009 SMMTT PH3 MODS<br>SEAWOLF SMMTT |

**Modification Item 1 of 1:** TD009 SMMTT PH3 MODS SEAWOLF SMMTT

**Manufacturer Information**

|                                                  |                                      |
|--------------------------------------------------|--------------------------------------|
| Manufacturer Name: New MFG - Name <sup>(5)</sup> | Manufacturer Location: New MFG - Loc |
| Administrative Leadtime (in Months): 6           | Production Leadtime (in Months): 20  |

| Dates          | FY 2014 | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 | FY 2020 |
|----------------|---------|---------|---------|---------|---------|---------|---------|
| Contract Dates |         |         |         |         |         |         |         |
| Delivery Dates |         |         |         |         |         |         |         |

**Installation Information**

**Method of Implementation:** [none specified]:: Installation Name: SEAWOLF SMMTT

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 2 / 0.200                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 0.200                      |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 2 / 0.200                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 0.200                      |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | 2   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 2   |
| Out | 2   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 2   |

**Footnotes:**

<sup>(4)</sup> OSD-12 comment - Type commander cancelled TI08 install and directed TI12 be delivered to better support SSN21 class modernization.

<sup>(5)</sup> See P3a remarks section.

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|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                               | <b>Date:</b> February 2015                                                  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 | <b>P-1 Line Item Number / Title:</b><br>5661 / Submarine Training Device Mods | <b>Modification Number / Title:</b><br>4 / TD009 SMMTT PH3 MODS TI-OX SMMTT |

| <b>Resource Summary</b>                                                                                                                       | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016 Base</b> | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b> | <b>FY 2018</b> | <b>FY 2019</b> | <b>FY 2020</b> | <b>To Complete</b> | <b>Total</b>  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|---------------|
| Procurement Quantity <i>(Units in Each)</i>                                                                                                   | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -             |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                              | 14.155             | 3.900          | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | 18.055        |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -             |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                  | 14.155             | 3.900          | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | 18.055        |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -             |
| <b>Total Obligation Authority <i>(\$ in Millions)</i></b>                                                                                     | <b>14.155</b>      | <b>3.900</b>   | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | <b>18.055</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |                    |                |                |                     |                    |                      |                |                |                |                |                    |               |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                        | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -             |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                          | -                  | -              | -              | -                   | -                  | -                    | -              | -              | -              | -              | -                  | -             |

**Description:**

Provides SMMTT modifications to match Tactical advanced sensor configurations.

[MODS TI-OX SMMTT] Provides SMMTT modifications to match Tactical advanced sensor configurations.

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                       | <b>Date:</b> February 2015                                                  |                                       |                                       |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 |                                       |                                       |                                       | <b>P-1 Line Item Number / Title:</b><br>5661 / Submarine Training Device Mods |                                       |                                       |                                       |                                       |                                       | <b>Modification Number / Title:</b><br>4 / TD009 SMMTT PH3 MODS TI-OX SMMTT |                                       |                                       |  |
| <b>Models of Systems Affected:</b> SMMTT PH3 MODS TI-OX SMMTT                   |                                       |                                       |                                       | <b>Modification Type:</b>                                                     |                                       |                                       |                                       |                                       |                                       | <b>Related RDT&amp;E PEs:</b>                                               |                                       |                                       |  |
| <b>Financial Plan</b>                                                           | <b>Prior Years</b>                    | <b>FY 2014</b>                        | <b>FY 2015</b>                        | <b>FY 2016 Base</b>                                                           | <b>FY 2016 OCO</b>                    | <b>FY 2016 Total</b>                  | <b>FY 2017</b>                        | <b>FY 2018</b>                        | <b>FY 2019</b>                        | <b>FY 2020</b>                                                              | <b>To Complete</b>                    | <b>Total</b>                          |  |
|                                                                                 | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i>                                         | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i>                                       | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> |  |
| <b>Procurement</b>                                                              |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                       |                                                                             |                                       |                                       |  |
| <i>Modification Item 1 of 1:</i> TD009 SMMTT PH3 MODS TI-OX SMMTT               |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                       |                                                                             |                                       |                                       |  |
| B Kits                                                                          |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                       |                                                                             |                                       |                                       |  |
| Recurring                                                                       |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                       |                                                                             |                                       |                                       |  |
| 1.1.1) MODS TI-OX SMMTT - NonOrganic <sup>(6)</sup>                             | 5 / 13.600                            | 1 / 3.800                             | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                       | - / -                                 | 6 / 17.400                            |  |
| <i>Subtotal: Recurring</i>                                                      | - / 13.600                            | - / 3.800                             | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                       | - / -                                 | - / 17.400                            |  |
| <i>Subtotal: TD009 SMMTT PH3 MODS TI-OX SMMTT</i>                               | 5 / 13.600                            | 1 / 3.800                             | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                       | - / -                                 | 6 / 17.400                            |  |
| <i>Subtotal: Procurement, All Modification Items</i>                            | - / 13.600                            | - / 3.800                             | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                       | - / -                                 | - / 17.400                            |  |
| <b>Installation</b>                                                             |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                       |                                                                             |                                       |                                       |  |
| <i>Modification Item 1 of 1:</i> TD009 SMMTT PH3 MODS TI-OX SMMTT               | - / 0.555                             | - / 0.100                             | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                       | - / -                                 | - / 0.655                             |  |
| <i>Subtotal: Installation</i>                                                   | - / 0.555                             | - / 0.100                             | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                       | - / -                                 | - / 0.655                             |  |
| <b>Total</b>                                                                    |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                       |                                                                             |                                       |                                       |  |
| <b>Total Cost (Procurement + Support + Installation)</b>                        | <b>14.155</b>                         | <b>3.900</b>                          | <b>-</b>                              | <b>-</b>                                                                      | <b>-</b>                              | <b>-</b>                              | <b>-</b>                              | <b>-</b>                              | <b>-</b>                              | <b>-</b>                                                                    | <b>-</b>                              | <b>18.055</b>                         |  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |  |                                                                               |  | <b>Date:</b> February 2015 |                                                                             |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 |  | <b>P-1 Line Item Number / Title:</b><br>5661 / Submarine Training Device Mods |  |                            | <b>Modification Number / Title:</b><br>4 / TD009 SMMTT PH3 MODS TI-OX SMMTT |  |  |

**Modification Item 1 of 1:** TD009 SMMTT PH3 MODS TI-OX SMMTT

| Manufacturer Information                  |          |         |         |                                     |         |         |         |
|-------------------------------------------|----------|---------|---------|-------------------------------------|---------|---------|---------|
| Manufacturer Name: NSWC CD <sup>(7)</sup> |          |         |         | Manufacturer Location: BETHESDA, MD |         |         |         |
| Administrative Leadtime (in Months): 6    |          |         |         | Production Leadtime (in Months): 6  |         |         |         |
| Dates                                     | FY 2014  | FY 2015 | FY 2016 | FY 2017                             | FY 2018 | FY 2019 | FY 2020 |
| Contract Dates                            | Nov 2013 |         |         |                                     |         |         |         |
| Delivery Dates                            | May 2014 |         |         |                                     |         |         |         |

**Installation Information**

**Method of Implementation:** AIT:: Installation Name: MODS TI-OX SMMTT

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 5 / 0.555                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 5 / 0.555                      |
| FY 2014           | - / -                          | 1 / 0.100                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 0.100                      |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 5 / 0.555                      | 1 / 0.100                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 6 / 0.655                      |

| Installation Schedule |     |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |    |     |
|-----------------------|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|                       | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    |    |     |
|                       |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | TC | Tot |
| In                    | 5   | -       | -  | -  | 1  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | 6  |     |
| Out                   | 5   | -       | -  | -  | 1  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | 6  |     |

**Footnotes:**

<sup>(6)</sup> FY14 SMMTT TI-OX provides a SSN SMMTT variant to allow fleet training in Groton. This technology already exists in fleet submarines, thus allowing easier implementation into the trainer baseline. Easier implementation will decrease the amount of leadtime needed for installation time for FY14 procurement.

<sup>(7)</sup> See P3A remarks section for additional information. 12 month leadtime is an average. FY14 leadtimes are slightly less .

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                               | <b>Date:</b> February 2015                                                        |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 | <b>P-1 Line Item Number / Title:</b><br>5661 / Submarine Training Device Mods | <b>Modification Number / Title:</b><br>5 / TD009 SMMTT PH3 MODS VA<br>CLASS SMMTT |

| Resource Summary                                                                                                                              | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020 | To Complete | Total  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|--------|
| Procurement Quantity <i>(Units in Each)</i>                                                                                                   | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Gross/Weapon System Cost <i>(\$ in Millions)</i>                                                                                              | 11.776      | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | 11.776 |
| Less PY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Net Procurement (P1) <i>(\$ in Millions)</i>                                                                                                  | 11.776      | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | 11.776 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i>                                                                                           | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Total Obligation Authority <i>(\$ in Millions)</i>                                                                                            | 11.776      | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | 11.776 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> |             |         |         |              |             |               |         |         |         |         |             |        |
| Initial Spares <i>(\$ in Millions)</i>                                                                                                        | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |
| Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>                                                                                          | -           | -       | -       | -            | -           | -             | -       | -       | -       | -       | -           | -      |

**Description:**

Provides VA Class functions to SMMTT.

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|                                                                                 |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                       |                                                                                |                                       |                                       |  |
|---------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|--|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                       | <b>Date:</b> February 2015                                                     |                                       |                                       |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 |                                       |                                       |                                       | <b>P-1 Line Item Number / Title:</b><br>5661 / Submarine Training Device Mods |                                       |                                       |                                       |                                       |                                       | <b>Modification Number / Title:</b><br>5 / TD009 SMMTT PH3 MODS VA CLASS SMMTT |                                       |                                       |  |
| <b>Models of Systems Affected:</b> SMMTT PH3 MODS VA CLASS SMMTT                |                                       |                                       |                                       | <b>Modification Type:</b>                                                     |                                       |                                       |                                       |                                       |                                       | <b>Related RDT&amp;E PEs:</b>                                                  |                                       |                                       |  |
| <b>Financial Plan</b>                                                           | <b>Prior Years</b>                    | <b>FY 2014</b>                        | <b>FY 2015</b>                        | <b>FY 2016 Base</b>                                                           | <b>FY 2016 OCO</b>                    | <b>FY 2016 Total</b>                  | <b>FY 2017</b>                        | <b>FY 2018</b>                        | <b>FY 2019</b>                        | <b>FY 2020</b>                                                                 | <b>To Complete</b>                    | <b>Total</b>                          |  |
|                                                                                 | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i>                                         | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i>                                          | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> |  |
| <b>Procurement</b>                                                              |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                       |                                                                                |                                       |                                       |  |
| <b>Modification Item 1 of 1:</b> TD009 SMMTT PH3 MODS VA CLASS SMMTT            |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                       |                                                                                |                                       |                                       |  |
| B Kits                                                                          |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                       |                                                                                |                                       |                                       |  |
| Recurring                                                                       |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                       |                                                                                |                                       |                                       |  |
| 1.1.1) MODS VA CLASS SMMTT - NonOrganic <sup>(8)</sup>                          | 3 / 11.176                            | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                          | - / -                                 | 3 / 11.176                            |  |
| <b>Subtotal: Recurring</b>                                                      | - / 11.176                            | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                          | - / -                                 | - / 11.176                            |  |
| <b>Subtotal: TD009 SMMTT PH3 MODS VA CLASS SMMTT</b>                            | 3 / 11.176                            | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                          | - / -                                 | 3 / 11.176                            |  |
| <b>Subtotal: Procurement, All Modification Items</b>                            | - / 11.176                            | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                          | - / -                                 | - / 11.176                            |  |
| <b>Installation</b>                                                             |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                       |                                                                                |                                       |                                       |  |
| <b>Modification Item 1 of 1:</b> TD009 SMMTT PH3 MODS VA CLASS SMMTT            | - / 0.600                             | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                          | - / -                                 | - / 0.600                             |  |
| <b>Subtotal: Installation</b>                                                   | - / 0.600                             | - / -                                 | - / -                                 | - / -                                                                         | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                 | - / -                                                                          | - / -                                 | - / 0.600                             |  |
| <b>Total</b>                                                                    |                                       |                                       |                                       |                                                                               |                                       |                                       |                                       |                                       |                                       |                                                                                |                                       |                                       |  |
| <b>Total Cost (Procurement + Support + Installation)</b>                        | 11.776                                | -                                     | -                                     | -                                                                             | -                                     | -                                     | -                                     | -                                     | -                                     | -                                                                              | -                                     | 11.776                                |  |



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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                                                               | <b>Date:</b> February 2015                                                     |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 | <b>P-1 Line Item Number / Title:</b><br>5661 / Submarine Training Device Mods | <b>Modification Number / Title:</b><br>5 / TD009 SMMTT PH3 MODS VA CLASS SMMTT |

**Modification Item 1 of 1:** TD009 SMMTT PH3 MODS VA CLASS SMMTT

**Manufacturer Information**

|                                           |                |                |                |                                     |                |                |                |
|-------------------------------------------|----------------|----------------|----------------|-------------------------------------|----------------|----------------|----------------|
| Manufacturer Name: NSWC CD <sup>(9)</sup> |                |                |                | Manufacturer Location: BETHESDA, MD |                |                |                |
| Administrative Leadtime (in Months): 6    |                |                |                | Production Leadtime (in Months): 22 |                |                |                |
| <b>Dates</b>                              | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016</b> | <b>FY 2017</b>                      | <b>FY 2018</b> | <b>FY 2019</b> | <b>FY 2020</b> |
| Contract Dates                            |                |                |                |                                     |                |                |                |
| Delivery Dates                            |                |                |                |                                     |                |                |                |

**Installation Information**

**Method of Implementation:** AIT:: Installation Name: MODS VA CLASS SMMTT

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | 3 / 0.600                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 3 / 0.600                      |
| FY 2014           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2015           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | 3 / 0.600                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 3 / 0.600                      |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | 3   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 3   |
| Out | 3   | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -       | -  | -  | -  | -  | 3   |

**Footnotes:**

<sup>(8)</sup> The production dates for FY08 were DEC07 - JAN10 (26 Months) for the first kit. The second kit DEC08-SEP10 (22 Months). Third kit is NOV10-MAY11 (6 months; easier purchase/install with lessons learned incorporated). Therefore, the range of 6-22 months production time is provided.

<sup>(9)</sup> See P3a remarks sections

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|------------------------------------|--------------|-------------|---------------|--------------------------------------------------------------|---------------------------------|---------|---------|-------------|------------|
| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |         |                                    |              |             |               |                                                              | Date: February 2015             |         |         |             |            |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |         |                                    |              |             |               | P-1 Line Item Number / Title:<br>5662 / Training Device Mods |                                 |         |         |             |            |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |         | Program Elements for Code B Items: |              |             |               |                                                              | Other Related Program Elements: |         |         |             |            |
| Resource Summary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Prior Years | FY 2014 | FY 2015                            | FY 2016 Base | FY 2016 OCO | FY 2016 Total | FY 2017                                                      | FY 2018                         | FY 2019 | FY 2020 | To Complete | Total      |
| Procurement Quantity (Units in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -           | -       | -                                  | -            | -           | -             | -                                                            | -                               | -       | -       | -           | -          |
| Gross/Weapon System Cost (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.002       | -       | 70.672                             | 99.707       | -           | 99.707        | 73.524                                                       | 61.653                          | 70.666  | 75.704  | Continuing  | Continuing |
| Less PY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -           | -       | -                                  | -            | -           | -             | -                                                            | -                               | -       | -       | -           | -          |
| Net Procurement (P1) (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.002       | -       | 70.672                             | 99.707       | -           | 99.707        | 73.524                                                       | 61.653                          | 70.666  | 75.704  | Continuing  | Continuing |
| Plus CY Advance Procurement (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -           | -       | -                                  | -            | -           | -             | -                                                            | -                               | -       | -       | -           | -          |
| Total Obligation Authority (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.002       | -       | 70.672                             | 99.707       | -           | 99.707        | 73.524                                                       | 61.653                          | 70.666  | 75.704  | Continuing  | Continuing |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |         |                                    |              |             |               |                                                              |                                 |         |         |             |            |
| Initial Spares (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -           | -       | 0.211                              | 0.133        | -           | 0.133         | 0.111                                                        | 0.086                           | 0.089   | 0.076   | Continuing  | Continuing |
| Flyaway Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -           | -       | -                                  | -            | -           | -             | -                                                            | -                               | -       | -       | -           | -          |
| Gross/Weapon System Unit Cost (\$ in Dollars)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -           | -       | -                                  | -            | -           | -             | -                                                            | -                               | -       | -       | -           | -          |
| Description:<br>ORDNANCE SUPPORT EQUIPMENT provides funds for the procurement of gun, missile, and ASW fire control and support equipment, mine components, FBM support equipment, and support for other expendable ordnance. This budget activity is coordinated by the Naval Sea Systems Command.<br><br>This line also provides funds to modify/upgrade training devices to keep them compatible with equivalent changes made to Fleet operational equipment and to implement Training Enhancement Changes (TECs) to the trainer systems capabilities.<br><br>[P40A / Submarine Training Device Mods]: This line provides funds to modify/upgrade training devices to keep them compatible with equivalent changes made to Fleet operational equipment and to implement Training Enhancement Changes (TECs) to the trainer systems capabilities.<br><br>[P40A / TD002: SUBMARINE TRAINING DEVICE MODS]: Provides funding for modifications which are upgrades to submarine training systems and TECs which are centrally managed systems. These improvements/upgrades are required to keep training systems, such as the Ship Control Operator Trainer (SCOT) and Submarine Bridge Trainer (SBT), compatible with equivalent changes made to fleet operational equipment and to change trainer capabilities to meet emergent training requirements.<br><br>[P40A / TD006: SUB COAET]: TD006 SUBMARINE COMMON OPERATIONAL ANALYSIS AND EMPLOYMENT TRAINER (COAET)<br>The COAET is an interactive, fundamental skills-level and employment skills trainer. It allows for introduction of new fleet requirements and upgrades. The purpose of these devices is to provide operator and introductory team training to submarine force personnel prior to entry into the full-up Submarine Multi Mission Team Trainer (SMMTT). It also provides supplemental training to off-load the heavily utilized attack center trainers. COAET provides training utilizing partial tactical builds and emulations of the latest Sonar and Combat Control Systems. These devices provide an environment substantially equivalent to that found on board ship, thus enabling students to develop and maintain the attack center expertise necessary to support Fleet operations. Also provides funding for TECs, integration of Acoustic Analysis Trainer (AAT), Virtualized Tactical Control (VTAC), Advanced Processing Build (APB)/ Technical Insertion (TI), and Sonar Tactical Decision Aid (STDA) implementation.<br><br>[P40A / TD009: SMMTT PH3]: TD009 SUBMARINE MULTI MISSION TEAM TRAINER (SMMTT)To achieve desired submarine force readiness levels, it is necessary to construct highly sophisticated shore based Combat System Team Trainers capable of training personnel in all aspects of submarine approach, attack and surveillance operations in a controlled, simulated environment. Includes funding for TECs. The Combat Control System (CCS) AN/BYG-1 is installed on SSN/SSBN/SSGN Class submarines, and there are currently plans to further upgrade these systems with the hardware revisions which provide enhanced warfighter capabilities. The Tactical Acoustic Rapid COTS (commercial-off-the-shelf) Insertion (ARCI) AN/BQQ-10 phased upgrades are being installed with the next revision which provides enhanced warfighter capabilities. These CCS and ARCI upgrades to the AN/BYG1 and BQQ-10 systems directly impact shore based Team Trainers. SMMTT also includes annual Tactical Imaging TI/APB upgrades |             |         |                                    |              |             |               |                                                              |                                 |         |         |             |            |

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                           | <b>Date:</b> February 2015                                          |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7:<br>Other Expendable Ordnance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           | <b>P-1 Line Item Number / Title:</b><br>5662 / Training Device Mods |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Program Elements for Code B Items:</b> | <b>Other Related Program Elements:</b>                              |
| <p>that support multiple classes of submarines. The Submarine Multi-Mission Team Trainer (SMMTT) supports operator, employment, strike, and Battle Group training for enlisted and officer pipelines for these systems. The SMMTT provides operators and combat teams the opportunity to train ashore, prior to, and between deployments. The shore based training provides a means of maintaining team proficiency prior to ship deployment. SMMTT is also used for SSN/SSGN crew certification. SMMTT replaced all Military (MIL) Standard hardware in previous systems with commercial emulation hardware, enabling platform independence and wide area network capability. The use of Open Architecture (OA) trainer systems allows for the continuous growth of functional flexibility ultimately leading to employment training conducted for any submarine combat system. Plans are established to likewise upgrade submarine tactical systems to an OA, and the trainers will be compatible with the tactical interfaces. This program includes modifications to the functionality of the Periscope Simulator (PSIM) to provide common imaging training for CCS trainers and includes Electronic Surveillance Simulation Software. Recent tactical CCS change the interfaces for the software updates to the navigation submarine trainers.</p> <p>SMMTT is also used for SSGN crew certification prior to crew flyaway for crew swapout. The use of Open Architecture (OA) trainer systems allows for the continuous growth of functional flexibility ultimately leading to employment training conducted for any submarine combat system.</p> <p>Legacy SMMTT supports SSBN Crew Certification and predeployment training as required by the Type Commander. LSMMTT also supports SSNs that have not been modernized in the TI/APB process including SSN 774 class submarines. LSMMTT is a combination of tactical combat controls in sonar systems driven by simulation/stimulation devices and leverages additional trainer simulation/auxiliary ship systems. The VA SMMTT kit procurements are merged with the SMMTT kit upgrades resulting in an increase in unit cost.</p> <p>FY14 procured 5 items: Procures one SMMTT EPM updates to match the latest Fleet tactical build for SSNs and unique sensors; procures four SMMTT kit upgrades to appropriate APB and TI; procures one SMMTT kit in Guam; procures four SMMTT upgrade kits with TI0x advanced sensor mods.</p> <p>FY15 procures 2 items: Procures one SMMTT EPM updates to match the latest Fleet tactical build for SSNs and unique sensors; procures one SMMTT kit upgrade to appropriate APB and TI.</p> <p>FY16 procures 4 items: Procures one SSBN SMMTT Mod EDM, one SMMTT EPM updates to match the latest Fleet tactical build for SSNs and unique sensors; procures two SMMTT kit upgrades to appropriate APB and TI.</p> <p>[P40A / TD015: SNADIS]: TD015 SNADIS<br/>SUBMARINE NON-TACTICAL APPLICATIONS DELIVERY INTERFACE SYSTEM (SNADIS) NETWORK: This system has been identified by the Submarine Type Commanders and approved by CNO to enable access to all data required to support Fleet Operational, Training, and Administrative requirements through a single, common, force-wide information delivery application interface. This program is for technical data, logistics, and training delivery management. The program must operate within the IT21/NMCI network infrastructure; and should leverage both the VIRGINIA Class paperless ship initiatives and the Navy's non-tactical application development managed by SPAWAR, as well as recognize shipboard requirements for complete non-tactical applications integration. SNADIS program discontinues after FY11.</p> <p>[P5 / TS004 Surface Training Device Mods]: This line provides funds to procure, modify and upgrade trainers to include Aegis Weapon Systems, Aegis Ashore, Littoral Combat Ship (LCS), DDG 1000, Ship Self Defense System (SSDS), Navy Integrated Fire Control - Counter Air (NIFC-CA), and other Surface Warfare related Training Programs; Navigation, Hull, Mechanical and Electrical (HM&amp;E), combat systems, engineering, damage control and amphibious warfare individual and team Technical Training Equipment, Training Devices, Training Unique Equipment and Training systems. Funds ensure alignment between Surface Learning Centers and Fleet Concentration Area training systems and fleet training requirements as dictated by the Surface and Expeditionary Warfare Training Plan (SEWTP). Additionally, funds support ship on-board training curriculum for the purpose of maintaining perishable operator and maintenance skills.</p> <p>[P5 / Combined IAMD/ASW Trainer (CIAT)]: Combined Integrated Air and Missile Defense (IAMD)/Anti-submarine Warfare (ASW) Trainer (CIAT): From the Aegis Weapon System/SPY Radar Readiness Task Force, Chief of Naval Operations (OPNAV) sponsored Fleet Integrated Air and Missile Defense and Anti-Submarine Warfare Improvement Programs, Naval Integrated Fire Control-Counter Air (NIFC-CA), and C5I training requirements documents, one of the areas identified for long term investment was the requirement for a high fidelity integrated air and missile defense and anti-submarine warfare training capability. Due to the cost prohibitive realities associated with modifying onboard high fidelity training systems, which currently meet only 60% of the CNO requirement for ship training systems to be commensurate with tactical system capability, this shore-based, high fidelity trainer is being procured. The CIAT will field in the Fleet Concentration Areas of San Diego, Yokosuka, Pearl Harbor, and Norfolk in support of program of record Advanced Warfare Training (AWT). The effort began in FY 14 and supports procurement and installation of seven systems across the FYDP. Installations will occur in San Diego, Yokosuka, Pearl Harbor, Dahlgren and Norfolk. Funds also include costs associated with tactical and other software licensing, Information Assurance, computer program corrections and sustainment to ensure alignment with DON CIO Cyber requirements and ship tactical modernization.</p> |                                           |                                                                     |

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           | <b>Date:</b> February 2015                                          |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7:<br>Other Expendable Ordnance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                           | <b>P-1 Line Item Number / Title:</b><br>5662 / Training Device Mods |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Program Elements for Code B Items:</b> | <b>Other Related Program Elements:</b>                              |
| <p>[P5 / Navy Training System Plan (NTSP TTE/TD Mods)]: Funds 15 surface and expeditionary training systems in multiple school houses in accordance with the results of CNO directed and OPNAV and Fleet sponsored studies, NTSP updates, and Technical Training Audits from 2011 through 2014. One of the key items identified in the Fleet Review Panel of Surface Force Readiness, LPD 17 Class Wholeness Task Force, (Mine Countermeasures (MCM) Readiness Task Force, Navigation Wholeness Study, Chief of Naval Operations (OPNAV)-sponsored Surface Engineering Training Wholeness Review, Littoral Combat Ship (LCS) Front End Analysis (FEA), DDG 1000 wholeness review, and LHD 8/ LHA 6 Training Requirements Planning and Programming (TRPPM) analysis done by the Surface Warfare Enterprise was the outdated or lack of training equipment in the schoolhouses. Based on this analysis, \$16.2M includes requirements identified in approximately 80 Navy Training System Plan updates and 53 Technical Training Course Audits. This investment will be for the procurement and installation of Training Equipment at Learning Centers to keep training courses in alignment with current configuration of equipment in the fleet. Investment ensures Surface Warfare Training Continuums are capable of meeting training requirements directly supporting readiness for the following systems/courses:</p> <ol style="list-style-type: none"> <li>1. Collection, Holding and Transfer (CHT)</li> <li>2. Controllable Pitch Propeller</li> <li>3. LPD 17 Class Smoke Ejection</li> <li>4. Damage Control</li> <li>5. Firefighting</li> <li>6. Fuel Oil Systems</li> <li>7. Anchoring, Mooring and Towing</li> <li>8. Amphibious Assault Vehicle Handling, Stowage and Support</li> <li>9. Handling and Stowing Boats and Small Craft</li> <li>10. Hull Equipment</li> <li>11. Shipboard Crane Systems</li> <li>12. Underway Replenishment Systems</li> <li>13. CIN A-651-0069 Controls, Governors, and Regulator Maintenance</li> <li>14. CIN A-4H-0157 Advanced Steam Course</li> <li>15. Fiber Optic Maintenance</li> </ol> <p>[P5 / CSCS Modernization/Aegis Capability Build (ACB) Training Systems]: The Aegis Weapon System/SPY Radar Readiness Task Force, OPNAV-sponsored Fleet Integrated Air and Missile Defense and Anti-Submarine Warfare Improvement Programs, Aegis Ashore, Naval Integrated Fire Control-Counter Air (NIFC-CA) and C5I training requirements document that there is training shortfall for procurement and installation of ACB Technical Training Equipment (TTE) Simulation/Stimulation at the Aegis Training and Readiness Center (ATRC) Learning Site. The current ATRC training systems utilize expensive and maintenance-intensive ruggedized shipboard equipment which is obsolete and unsupportable. The \$5.0M in FY15 provides for hardware, updated software and installation of two new trainers which leverage IAMD components of the Combined IAMD/ASW Trainer (CIAT) technology and equipment, thus reducing Total Ownership Cost (TOC). Without this funding, existing training labs at ATRC will not be upgraded or maintained to provide accurate training and the required training lab for ACB Program of Record will not be completed. Aegis operators and maintainers will not be trained on accurate systems which will directly impact fleet readiness.</p> <p>[P5 / Technical Training Equipment Modifications]: Funds procure schoolhouse modifications of end items in support of fleet training requirements including Hull Mechanical and Electrical (HM&amp;E), and Combat Systems (CS) technical training equipment (TTE) for the training activities. Provides equipment to augment existing TTE due to increased student throughput, replaces equipment beyond economical repair and procures new equipment.</p> <p>[P5 / Navigation Training Continuum]: Funds provide for implementation of formal navigation continuum training courses of instruction for enlisted Quartermasters, for enlisted navigation (non-maintenance) watch standers, and updates the Officer Navigation Training Continuum and improves waterfront navigation operator training to meet mandated requirements in the Surface Navigation System Navy Training Systems Plan. Funds provide for curriculum materials and training equipment.</p> <p>[P5 / (EPAA) Aegis Ballistic Missile Defense (BMD) Ashore Team Trainer]: Funds the training system to train Navy Sailors who will man European Phased Adaptive Approach (EPAA) land-based BMD facilities in Poland and Romania. The Aegis Ashore Team Trainer (AATT) at Dam Neck, VA will serve as the single site for individual watch team tactical training, certification events, and sustainment training for Aegis Ashore rotational crews assigned to AA BMD Host Nation Sites.</p> |                                           |                                                                     |

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| Exhibit P-40, Budget Line Item Justification: PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                    | Date: February 2015                                          |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7:<br>Other Expendable Ordnance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    | P-1 Line Item Number / Title:<br>5662 / Training Device Mods |
| ID Code (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Program Elements for Code B Items: | Other Related Program Elements:                              |
| [P5 / Multi-Purpose Supporting Arms Trainer (MSAT)]: Funds for trainer system upgrades for 3 MSATs to include functionality upgrades to incorporate new equipment/ hardware and procedural changes to maintain training system annual certification requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                    |                                                              |
| [P5 / LHA 6 and LHD 8 Life Cycle Training]: This line procures maintainer/operator training equipment and software applications for LHA-6/LHD-8 engineering systems in support of multiple courses of instruction at SWOS Learning Center Great Lakes, Norfolk, and San Diego, as required by several Navy Training System Plans (NTSPs).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |                                                              |
| [P5 / SURFACE MINOR MODS]: Funds modernization for 10 systems and sustainment for over 100 surface and expeditionary training systems in accordance with the results of CNO directed and OPNAV and Fleet sponsored studies from 2009 through 2013. Specific studies of surface training systems include: Fleet Review Panel of Surface Force Readiness, Aegis Weapon System/SPY Radar Readiness Task Force, LPD 17 Class Wholeness Task Force, Mine Countermeasures (MCM) Readiness Task Force, Navigation Wholeness Study, OPNAV-sponsored Surface Engineering Training Wholeness Review, Fleet Integrated Air and Missile Defense and Anti-Submarine Warfare Improvement Programs, Aegis Ashore, Naval Integrated Fire Control-Counter Air (NIFC-CA) and C5I training requirements documents, Littoral Combat Ship (LCS) Front End Analysis (FEA), DDG 1000 wholeness review, LHD 8/ LHA 6 Training Requirements Planning and Programming (TRPPM), Commander Naval Surface Forces (CNSF) manpower initiatives impact on readiness, and the Navy Inspector General (IG) report on Computer Based Training (CBT). The extensive inventory of training systems to support 16 classes of ships requires continual modernization and modification to ensure alignment with fleet systems while addressing technology obsolescence issues. Increased funding is budgeted to modernize the following 10 systems:<br>1. Anti-Submarine Tactical Air Controller (ASTAC) Simulation Upgrade<br>2. Damage Control Wet Trainers Upgrades/Refresh<br>3. DDG 51 Machinery Control System Maintenance Trainer<br>4. Multi-Mission Team Trainer Upgrades/Lab Refresh<br>5. Electrical Maintenance Training<br>6. Air Conditioning and Refrigeration (AC&R) Maintenance Training<br>7. Deck System Equipment Training<br>8. Marine Sanitation Devices<br>9. LCAC Team Trainer Overhaul/Upgrades<br>10. Firefighting Team Trainers Upgrades/Refresh |                                    |                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    |                                                              |

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| <b>Exhibit P-40, Budget Line Item Justification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |              |                                                  |                                                  |                                                                     |                                                  | <b>Date:</b> February 2015                       |                                                  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7:<br>Other Expendable Ordnance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |              |                                                  |                                                  | <b>P-1 Line Item Number / Title:</b><br>5662 / Training Device Mods |                                                  |                                                  |                                                  |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |              | <b>Program Elements for Code B Items:</b>        |                                                  |                                                                     | <b>Other Related Program Elements:</b>           |                                                  |                                                  |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |              | <b>Prior Years</b>                               | <b>FY 2014</b>                                   | <b>FY 2015</b>                                                      | <b>FY 2016 Base</b>                              | <b>FY 2016 OCO</b>                               | <b>FY 2016 Total</b>                             |
| <b>Title*</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Exhibits</b> | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                    | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| Submarine Training Device Mods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | P-40a, P-5a     |              | - / 0.001                                        | - / -                                            | - / 12.333                                                          | - / 15.975                                       | - / -                                            | - / 15.975                                       |
| 1 / TS004 Surface Training Device Mods [TS004]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | P-5             |              | - / 0.001                                        | - / -                                            | - / 54.904                                                          | - / 73.054                                       | - / -                                            | - / 73.054                                       |
| 1 / TD009 SMMTT PH3 MODIFICATIONS ()                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | P-3a            |              | - / 0.000                                        | - / -                                            | - / 3.435                                                           | - / 10.678                                       | - / -                                            | - / 10.678                                       |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |              | <b>- / 0.002</b>                                 | <b>- / -</b>                                     | <b>- / 70.672</b>                                                   | <b>- / 99.707</b>                                | <b>- / -</b>                                     | <b>- / 99.707</b>                                |
| <b>Exhibits Schedule</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |              | <b>FY 2017</b>                                   | <b>FY 2018</b>                                   | <b>FY 2019</b>                                                      | <b>FY 2020</b>                                   | <b>To Complete</b>                               | <b>Total</b>                                     |
| <b>Title*</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Exhibits</b> | <b>ID CD</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b>                    | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> | <b>Quantity / Total Cost<br/>(Each) / (\$ M)</b> |
| Submarine Training Device Mods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | P-40a, P-5a     |              | - / -                                            | - / -                                            | - / -                                                               | - / -                                            | - / -                                            | - / -                                            |
| 1 / TS004 Surface Training Device Mods [TS004]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | P-5             |              | - / -                                            | - / -                                            | - / -                                                               | - / -                                            | - / -                                            | - / -                                            |
| 1 / TD009 SMMTT PH3 MODIFICATIONS ()                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | P-3a            |              | - / 10.363                                       | - / 19.514                                       | - / 8.788                                                           | - / 14.148                                       | Continuing                                       | Continuing                                       |
| <b>Total Gross/Weapon System Cost</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |              | <b>- / 73.524</b>                                | <b>- / 61.653</b>                                | <b>- / 70.666</b>                                                   | <b>- / 75.704</b>                                | <b>Continuing</b>                                | <b>Continuing</b>                                |
| <p>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</p>                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |              |                                                  |                                                  |                                                                     |                                                  |                                                  |                                                  |
| <p><b>Justification:</b><br/> Note: The items contained within this budget line were funded in other lines in FY14 and prior.</p> <p>TD009: SMMTT PH3 MODS</p> <p>The increase in costs beginning in FY16 is due to additional Trainer Enhancement requirements directed by the TYCOM. The requirements include, but are not limited to Low Cost Conformal Array (LCCA) updates, All World Environmental Simulator (AWESIM) tech refresh, and Periscope Simulators (PSIM). Also included are the Uninterrupted Power Supply American Power Conversion(UPS/APC) procurements, system procurements of Touchscreens displays across various sites, and updates to the Torpedo Relevancy Model(TRM). These adjustments will increase overall system capability.</p> |                 |              |                                                  |                                                  |                                                                     |                                                  |                                                  |                                                  |

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| <b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2016 Navy |  |  |  |  |  |  |  |                                                                     |  |  |  |  |  |  | <b>Date:</b> February 2015                                       |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7    |  |  |  |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5662 / Training Device Mods |  |  |  |  |  |  | <b>Aggregated Items Title:</b><br>Submarine Training Device Mods |  |  |  |  |

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or add, due to rounding.

| Item Number / Title [DODIC]                        | ID CD | MDAP/MAIS Code | Prior Years    |            |                   | FY 2014        |            |                   | FY 2015        |            |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|----------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                    |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) TD002: SUBMARINE TRAINING DEVICE MODS           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) SUBMARINE TRAINING DEVICE MODS                | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 1.121             | -              | -          | 1.141             | -              | -          | -                 | -              | -          | 1.141             |
| 1.2) SCOT MODS                                     | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 1.126             | -              | -          | 1.146             | -              | -          | -                 | -              | -          | 1.146             |
| Subtotal: 1) TD002: SUBMARINE TRAINING DEVICE MODS |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 2.247             | -              | -          | 2.287             | -              | -          | -                 | -              | -          | 2.287             |
| 2) TD006: SUB COAET                                |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) MODIFICATIONS <sup>(†)</sup>                  | A     |                | -              | -          | -                 | -              | -          | -                 | 1,043K         | 4          | 4.172             | 1,062K         | 3          | 3.185             | -              | -          | -                 | 1,062K         | 3          | 3.185             |
| Subtotal: 2) TD006: SUB COAET                      |       |                | -              | -          | 0.000             | -              | -          | -                 | -              | -          | 4.172             | -              | -          | 3.185             | -              | -          | -                 | -              | -          | 3.185             |
| 3) TD009: SMMTT PH3 <sup>(1)</sup>                 |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 3.1) EPM - SMMTT SSN <sup>(2)</sup>                | A     |                | -              | -          | -                 | -              | -          | -                 | 2,074K         | 1          | 2.074             | 3,231K         | 1          | 3.231             | -              | -          | -                 | 3,231K         | 1          | 3.231             |
| 3.2) TECH SUPPORT                                  | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | 3.840             | -              | -          | 3.272             | -              | -          | -                 | -              | -          | 3.272             |
| 3.3) MODS VA CLASS SMMTT EPM                       | A     |                | -              | -          | 0.001             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 3.4) SSBN SMMTT STRATEGIC FORCES <sup>(†)</sup>    | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | 4,000K         | 1          | 4.000             | -              | -          | -                 | 4,000K         | 1          | 4.000             |
| Subtotal: 3) TD009: SMMTT PH3                      |       |                | -              | -          | 0.001             | -              | -          | -                 | -              | -          | 5.914             | -              | -          | 10.503            | -              | -          | -                 | -              | -          | 10.503            |
| Total                                              |       |                | -              | -          | 0.001             | -              | -          | -                 | -              | -          | 12.333            | -              | -          | 15.975            | -              | -          | -                 | -              | -          | 15.975            |

| Item Number / Title [DODIC]                        | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|----------------------------------------------------|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
|                                                    |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1) TD002: SUBMARINE TRAINING DEVICE MODS           |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1) SUBMARINE TRAINING DEVICE MODS                | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 1.2) SCOT MODS                                     | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| Subtotal: 1) TD002: SUBMARINE TRAINING DEVICE MODS |       |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |
| 2) TD006: SUB COAET                                |       |                |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |                |            |                   |
| 2.1) MODIFICATIONS <sup>(†)</sup>                  | A     |                | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          |                   |



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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy |       |                |                |            |                   |                                                              |            |                   |                |            |                   |                |            |                   | Date: February 2015                                       |            |                   |                |            |                   |
|-----------------------------------------------------------------------------|-------|----------------|----------------|------------|-------------------|--------------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|-----------------------------------------------------------|------------|-------------------|----------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7    |       |                |                |            |                   | P-1 Line Item Number / Title:<br>5662 / Training Device Mods |            |                   |                |            |                   |                |            |                   | Aggregated Items Title:<br>Submarine Training Device Mods |            |                   |                |            |                   |
| Item Number / Title [DODIC]                                                 | ID CD | MDAP/MAIS Code | FY 2017        |            |                   | FY 2018                                                      |            |                   | FY 2019        |            |                   | FY 2020        |            |                   | To Complete                                               |            |                   | Total Cost     |            |                   |
|                                                                             |       |                | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                               | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)                                            | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| Subtotal: 2) TD006: SUB COAET                                               |       |                | -              | -          | -                 | -                                                            | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                         | -          | -                 | -              | -          | -                 |
| 3) TD009: SMMTT PH3 <sup>(1)</sup>                                          |       |                |                |            |                   |                                                              |            |                   |                |            |                   |                |            |                   |                                                           |            |                   |                |            |                   |
| 3.1) EPM - SMMTT SSN <sup>(2)</sup>                                         | A     |                | -              | -          | -                 | -                                                            | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                         | -          | -                 | -              | -          | -                 |
| 3.2) TECH SUPPORT                                                           | A     |                | -              | -          | -                 | -                                                            | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                         | -          | -                 | -              | -          | -                 |
| 3.3) MODS VA CLASS SMMTT EPM                                                | A     |                | -              | -          | -                 | -                                                            | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                         | -          | -                 | -              | -          | -                 |
| 3.4) SSBN SMMTT STRATEGIC FORCES <sup>(1)</sup>                             | A     |                | -              | -          | -                 | -                                                            | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                         | -          | -                 | -              | -          | -                 |
| Subtotal: 3) TD009: SMMTT PH3                                               |       |                | -              | -          | -                 | -                                                            | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                         | -          | -                 | -              | -          | -                 |
| Total                                                                       |       |                | -              | -          | -                 | -                                                            | -          | -                 | -              | -          | -                 | -              | -          | -                 | -                                                         | -          | -                 | -              | -          | -                 |

<sup>(t)</sup> indicates the presence of a P-5a

**Footnotes:**

<sup>(1)</sup> The \$4M amount in FY16 is for the 1st SSBN EDM. In FY17, the \$7.995M cost is for a complete new SSBN trainer, not only an enhancement. The increase in costs in FY18, and FY19 is due to additional Trainer Enhancement requirements directed by the TYCOM. The requirements include, but are not limited to Low Cost Conformal Array (LCCA) updates, All World Environmental Simulator (AWESIM) tech refresh, and Periscope Simulators (PSIM). Also included are the Uninterrupted Power Supply American Power Conversion(UPS/APC) procurements, system procurements of Touchscreens displays across various sites, and updates to the Torpedo Relevancy Model(TRM). Beginning in FY12, the TD009 cost code VA CLASS SMMTT kit procurements are merged with the SMMTT kit upgrades resulting in an increase in unit cost.

<sup>(2)</sup> The increase in costs in FY16, FY18, and FY19 is due to additional Trainer Enhancement requirements directed by TYCOM, which includes Low Cost Conformal Array (LCCA) updates, All World Environmental Simulator (AWESIM) tech refresh, and Periscope Simulators (PSIM)

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|---------------------------------------------------------------------------------|----------------------|-----------|--------------------------------|---------------------------------------------------------------------|------------------------|-----------------------|---------------------------------------|-----------------------|---------------------------|------------------------------------------------------------|----------------------------------------|-------------------------------|--|
| <b>Exhibit P-5a, Procurement History and Planning:</b> PB 2016 Navy             |                      |           |                                |                                                                     |                        |                       |                                       |                       |                           | <b>Date:</b> February 2015                                 |                                        |                               |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 |                      |           |                                | <b>P-1 Line Item Number / Title:</b><br>5662 / Training Device Mods |                        |                       |                                       |                       |                           | <b>Aggregated Items:</b><br>Submarine Training Device Mods |                                        |                               |  |
| <b>Item Number / Title [DODIC]</b>                                              | <b>O<br/>C<br/>O</b> | <b>FY</b> | <b>Contractor and Location</b> | <b>Method/Type<br/>or<br/>Funding Vehicle</b>                       | <b>Location of PCO</b> | <b>Award<br/>Date</b> | <b>Date<br/>of First<br/>Delivery</b> | <b>Qty<br/>(Each)</b> | <b>Unit Cost<br/>(\$)</b> | <b>Specs<br/>Avail<br/>Now?</b>                            | <b>Date<br/>Revision<br/>Available</b> | <b>RFP<br/>Issue<br/>Date</b> |  |
| <b>2) TD006: SUB COAET</b>                                                      |                      |           |                                |                                                                     |                        |                       |                                       |                       |                           |                                                            |                                        |                               |  |
| 2.1) MODIFICATIONS                                                              |                      | 2015      | NSWC CD / BETHESDA, MD         | C / TBD                                                             | ** NO PCO **           | Oct 2014              | Jun 2015                              | 4                     | 1,043K                    | N                                                          |                                        |                               |  |
| <b>3) TD009: SMMTT PH3</b>                                                      |                      |           |                                |                                                                     |                        |                       |                                       |                       |                           |                                                            |                                        |                               |  |
| 3.4) SSBN SMMTT STRATEGIC FORCES                                                |                      | 2016      | NSWC CD / BETHESDA, MD         | Reqn                                                                | ** NO PCO **           | Jan 2016              | Apr 2016                              | 1                     | 4,000K                    | N                                                          | Sep 2016                               |                               |  |

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|----------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|-------------------|--------------------------------------------------------------|--------------|-------------------|-----------------|--------------------------------------------------------------------------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
| Exhibit P-5, Cost Analysis: PB 2016 Navy                                                                                               |                |             |                   |                                                              |              |                   |                 | Date: February 2015                                                            |                   |                |            |                   |                |            |                   |                |            |                   |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7                                                               |                |             |                   | P-1 Line Item Number / Title:<br>5662 / Training Device Mods |              |                   |                 | Item Number / Title [DODIC]:<br>1 / TS004 Surface Training Device Mods [TS004] |                   |                |            |                   |                |            |                   |                |            |                   |
| ID Code (A=Service Ready, B=Not Service Ready) :                                                                                       |                |             |                   |                                                              |              |                   | MDAP/MAIS Code: |                                                                                |                   |                |            |                   |                |            |                   |                |            |                   |
| Resource Summary                                                                                                                       |                | Prior Years | FY 2014           | FY 2015                                                      | FY 2016 Base | FY 2016 OCO       | FY 2016 Total   | FY 2017                                                                        | FY 2018           | FY 2019        | FY 2020    | To Complete       | Total          |            |                   |                |            |                   |
| Procurement Quantity (Units in Each)                                                                                                   |                | -           | -                 | -                                                            | -            | -                 | -               | -                                                                              | -                 | -              | -          | -                 | -              |            |                   |                |            |                   |
| Gross/Weapon System Cost (\$ in Millions)                                                                                              |                | 0.001       | -                 | 54.904                                                       | 73.054       | -                 | 73.054          | -                                                                              | -                 | -              | -          | -                 | -              |            |                   |                |            |                   |
| Less PY Advance Procurement (\$ in Millions)                                                                                           |                | -           | -                 | -                                                            | -            | -                 | -               | -                                                                              | -                 | -              | -          | -                 | -              |            |                   |                |            |                   |
| Net Procurement (P1) (\$ in Millions)                                                                                                  |                | 0.001       | -                 | 54.904                                                       | 73.054       | -                 | 73.054          | -                                                                              | -                 | -              | -          | -                 | -              |            |                   |                |            |                   |
| Plus CY Advance Procurement (\$ in Millions)                                                                                           |                | -           | -                 | -                                                            | -            | -                 | -               | -                                                                              | -                 | -              | -          | -                 | -              |            |                   |                |            |                   |
| Total Obligation Authority (\$ in Millions)                                                                                            |                | 0.001       | -                 | 54.904                                                       | 73.054       | -                 | 73.054          | -                                                                              | -                 | -              | -          | -                 | -              |            |                   |                |            |                   |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) |                |             |                   |                                                              |              |                   |                 |                                                                                |                   |                |            |                   |                |            |                   |                |            |                   |
| Initial Spares (\$ in Millions)                                                                                                        |                | -           | -                 | -                                                            | -            | -                 | -               | -                                                                              | -                 | -              | -          | -                 | -              |            |                   |                |            |                   |
| Gross/Weapon System Unit Cost (\$ in Dollars)                                                                                          |                | -           | -                 | -                                                            | -            | -                 | -               | -                                                                              | -                 | -              | -          | -                 | -              |            |                   |                |            |                   |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.                                                |                |             |                   |                                                              |              |                   |                 |                                                                                |                   |                |            |                   |                |            |                   |                |            |                   |
| Cost Elements                                                                                                                          | Prior Years    |             |                   | FY 2014                                                      |              |                   | FY 2015         |                                                                                |                   | FY 2016 Base   |            |                   | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|                                                                                                                                        | Unit Cost (\$) | Qty (Each)  | Total Cost (\$ M) | Unit Cost (\$)                                               | Qty (Each)   | Total Cost (\$ M) | Unit Cost (\$)  | Qty (Each)                                                                     | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| Flyaway Cost                                                                                                                           |                |             |                   |                                                              |              |                   |                 |                                                                                |                   |                |            |                   |                |            |                   |                |            |                   |
| Recurring Cost                                                                                                                         |                |             |                   |                                                              |              |                   |                 |                                                                                |                   |                |            |                   |                |            |                   |                |            |                   |
| 1.1.1) NSST Training Support <sup>(3)</sup>                                                                                            | -              | -           | 0.000             | -                                                            | -            | -                 | -               | -                                                                              | 0.600             | -              | -          | 0.600             | -              | -          | -                 | -              | -          | 0.600             |
| 1.1.2) AEGIS Ashore Trainer/C4I/5.0CU/ Tech Refresh <sup>(4)</sup>                                                                     | -              | -           | 0.000             | -                                                            | -            | -                 | -               | -                                                                              | 2.800             | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 1.1.3) Combined IAMD/ASW Trainer (CIAT) <sup>(5)</sup>                                                                                 | -              | -           | 0.000             | -                                                            | -            | -                 | -               | -                                                                              | 8.400             | -              | -          | 17.561            | -              | -          | -                 | -              | -          | 17.561            |
| 1.1.4) Navy Training System Plan (NTSP TTE/TD Mods) <sup>(6)</sup>                                                                     | -              | -           | 0.000             | -                                                            | -            | -                 | -               | -                                                                              | 23.300            | -              | -          | 25.300            | -              | -          | -                 | -              | -          | 25.300            |
| 1.1.5) Navy Integrated Fire Control-Counter Air (NIFC-CA) Trainer <sup>(7)</sup>                                                       | -              | -           | 0.001             | -                                                            | -            | -                 | -               | -                                                                              | -                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 1.1.6) CSCS Modernization/Aegis Capability Build (ACB) Training Systems <sup>(8)</sup>                                                 | -              | -           | 0.000             | -                                                            | -            | -                 | -               | -                                                                              | 6.000             | -              | -          | 5.000             | -              | -          | -                 | -              | -          | 5.000             |

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| Exhibit P-5, Cost Analysis: PB 2016 Navy                                                |                |            |                   |                |            |                                                              |                |            |                   |                 |            | Date: February 2015                                                            |                |            |                   |                |            |                   |
|-----------------------------------------------------------------------------------------|----------------|------------|-------------------|----------------|------------|--------------------------------------------------------------|----------------|------------|-------------------|-----------------|------------|--------------------------------------------------------------------------------|----------------|------------|-------------------|----------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7                |                |            |                   |                |            | P-1 Line Item Number / Title:<br>5662 / Training Device Mods |                |            |                   |                 |            | Item Number / Title [DODIC]:<br>1 / TS004 Surface Training Device Mods [TS004] |                |            |                   |                |            |                   |
| ID Code (A=Service Ready, B=Not Service Ready) :                                        |                |            |                   |                |            |                                                              |                |            |                   | MDAP/MAIS Code: |            |                                                                                |                |            |                   |                |            |                   |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding. |                |            |                   |                |            |                                                              |                |            |                   |                 |            |                                                                                |                |            |                   |                |            |                   |
| Cost Elements                                                                           | Prior Years    |            |                   | FY 2014        |            |                                                              | FY 2015        |            |                   | FY 2016 Base    |            |                                                                                | FY 2016 OCO    |            |                   | FY 2016 Total  |            |                   |
|                                                                                         | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M)                                            | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)  | Qty (Each) | Total Cost (\$ M)                                                              | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1.1.7) Technical Training Equipment Modifications <sup>(9)</sup>                        | -              | -          | 0.000             | -              | -          | -                                                            | -              | -          | -                 | -               | -          | 0.713                                                                          | -              | -          | -                 | -              | -          | 0.713             |
| 1.1.8) Navigation Training Continuum <sup>(10)</sup>                                    | -              | -          | 0.000             | -              | -          | -                                                            | -              | -          | -                 | -               | -          | 0.600                                                                          | -              | -          | -                 | -              | -          | 0.600             |
| 1.1.9) (EPAA) Aegis Ballistic Missile Defense (BMD) Ashore Team Trainer <sup>(11)</sup> | -              | -          | 0.000             | -              | -          | -                                                            | -              | -          | -                 | -               | -          | 2.400                                                                          | -              | -          | -                 | -              | -          | 2.400             |
| 1.1.10) Multi-Purpose Supporting Arms Trainer (MSAT) <sup>(12)</sup>                    | -              | -          | 0.000             | -              | -          | -                                                            | -              | -          | -                 | -               | -          | 2.550                                                                          | -              | -          | -                 | -              | -          | 2.550             |
| 1.1.11) LHA 6 and LHD 8 Life Cycle Training <sup>(13)</sup>                             | -              | -          | 0.000             | -              | -          | -                                                            | -              | -          | -                 | -               | -          | 1.600                                                                          | -              | -          | -                 | -              | -          | 1.600             |
| Subtotal: Recurring Cost                                                                | -              | -          | 0.001             | -              | -          | -                                                            | -              | -          | 41.100            | -               | -          | 56.324                                                                         | -              | -          | -                 | -              | -          | 56.324            |
| Subtotal: Flyaway Cost                                                                  | -              | -          | 0.001             | -              | -          | -                                                            | -              | -          | 41.100            | -               | -          | 56.324                                                                         | -              | -          | -                 | -              | -          | 56.324            |
| Hardware - Trainers Cost Cost                                                           |                |            |                   |                |            |                                                              |                |            |                   |                 |            |                                                                                |                |            |                   |                |            |                   |
| Recurring Cost                                                                          |                |            |                   |                |            |                                                              |                |            |                   |                 |            |                                                                                |                |            |                   |                |            |                   |
| 2.1.1) SURFACE MINOR MODS <sup>(14)</sup>                                               | -              | -          | 0.000             | -              | -          | -                                                            | -              | -          | 9.638             | -               | -          | 15.730                                                                         | -              | -          | -                 | -              | -          | 15.730            |
| 2.1.2) FFT/SLEP/ MODULAR TRAINER <sup>(15)</sup>                                        | -              | -          | 0.000             | -              | -          | -                                                            | -              | -          | 3.200             | -               | -          | 0.500                                                                          | -              | -          | -                 | -              | -          | 0.500             |
| 2.1.3) FCA TRAINERS <sup>(16)</sup>                                                     | -              | -          | 0.000             | -              | -          | -                                                            | -              | -          | 0.966             | -               | -          | 0.500                                                                          | -              | -          | -                 | -              | -          | 0.500             |
| Subtotal: Recurring Cost                                                                | -              | -          | 0.000             | -              | -          | -                                                            | -              | -          | 13.804            | -               | -          | 16.730                                                                         | -              | -          | -                 | -              | -          | 16.730            |
| Subtotal: Hardware - Trainers Cost Cost                                                 | -              | -          | 0.000             | -              | -          | -                                                            | -              | -          | 13.804            | -               | -          | 16.730                                                                         | -              | -          | -                 | -              | -          | 16.730            |
| Gross/Weapon System Cost                                                                | -              | -          | 0.001             | -              | -          | -                                                            | -              | -          | 54.904            | -               | -          | 73.054                                                                         | -              | -          | -                 | -              | -          | 73.054            |
|                                                                                         |                |            |                   |                |            |                                                              |                |            |                   |                 |            |                                                                                |                |            |                   |                |            |                   |

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| Exhibit P-5, Cost Analysis: PB 2016 Navy                                 |                   |               |                      |                   |               |                      |                                                              |               |                      |                   |                 |                      | Date: February 2015                                                            |               |                      |                   |               |                      |
| Appropriation / Budget Activity / Budget Sub Activity:<br>1810N / 04 / 7 |                   |               |                      |                   |               |                      | P-1 Line Item Number / Title:<br>5662 / Training Device Mods |               |                      |                   |                 |                      | Item Number / Title [DODIC]:<br>1 / TS004 Surface Training Device Mods [TS004] |               |                      |                   |               |                      |
| ID Code (A=Service Ready, B=Not Service Ready) :                         |                   |               |                      |                   |               |                      |                                                              |               |                      |                   | MDAP/MAIS Code: |                      |                                                                                |               |                      |                   |               |                      |
| Cost Elements                                                            | FY 2017           |               |                      | FY 2018           |               |                      | FY 2019                                                      |               |                      | FY 2020           |                 |                      | To Complete                                                                    |               |                      | Total Cost        |               |                      |
|                                                                          | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$)                                            | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each)   | Total Cost<br>(\$ M) | Unit Cost<br>(\$)                                                              | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$) | Qty<br>(Each) | Total Cost<br>(\$ M) |
| Flyaway Cost                                                             |                   |               |                      |                   |               |                      |                                                              |               |                      |                   |                 |                      |                                                                                |               |                      |                   |               |                      |
| Recurring Cost                                                           |                   |               |                      |                   |               |                      |                                                              |               |                      |                   |                 |                      |                                                                                |               |                      |                   |               |                      |
| 1.1.1) NSST Training Support                                             | -                 | -             | -                    | -                 | -             | -                    | -                                                            | -             | -                    | -                 | -               | -                    | -                                                                              | -             | -                    | -                 | -             | -                    |
| 1.1.2) AEGIS Ashore Trainer/C4I/5.0CU/ Tech Refresh                      | -                 | -             | -                    | -                 | -             | -                    | -                                                            | -             | -                    | -                 | -               | -                    | -                                                                              | -             | -                    | -                 | -             | -                    |
| 1.1.3) Combined IAMD/ASW Trainer (CIAT)                                  | -                 | -             | -                    | -                 | -             | -                    | -                                                            | -             | -                    | -                 | -               | -                    | -                                                                              | -             | -                    | -                 | -             | -                    |
| 1.1.4) Navy Training System Plan (NTSP TTE/TD Mods)                      | -                 | -             | -                    | -                 | -             | -                    | -                                                            | -             | -                    | -                 | -               | -                    | -                                                                              | -             | -                    | -                 | -             | -                    |
| 1.1.5) Navy Integrated Fire Control-Counter Air (NIFC-CA) Trainer        | -                 | -             | -                    | -                 | -             | -                    | -                                                            | -             | -                    | -                 | -               | -                    | -                                                                              | -             | -                    | -                 | -             | -                    |
| 1.1.6) CSCS Modernization/Aegis Capability Build (ACB) Training Systems  | -                 | -             | -                    | -                 | -             | -                    | -                                                            | -             | -                    | -                 | -               | -                    | -                                                                              | -             | -                    | -                 | -             | -                    |
| 1.1.7) Technical Training Equipment Modifications                        | -                 | -             | -                    | -                 | -             | -                    | -                                                            | -             | -                    | -                 | -               | -                    | -                                                                              | -             | -                    | -                 | -             | -                    |
| 1.1.8) Navigation Training Continuum                                     | -                 | -             | -                    | -                 | -             | -                    | -                                                            | -             | -                    | -                 | -               | -                    | -                                                                              | -             | -                    | -                 | -             | -                    |
| 1.1.9) (EPAA) Aegis Ballistic Missile Defense (BMD) Ashore Team Trainer  | -                 | -             | -                    | -                 | -             | -                    | -                                                            | -             | -                    | -                 | -               | -                    | -                                                                              | -             | -                    | -                 | -             | -                    |
| 1.1.10) Multi-Purpose Supporting Arms Trainer (MSAT)                     | -                 | -             | -                    | -                 | -             | -                    | -                                                            | -             | -                    | -                 | -               | -                    | -                                                                              | -             | -                    | -                 | -             | -                    |
| 1.1.11) LHA 6 and LHD 8 Life Cycle Training                              | -                 | -             | -                    | -                 | -             | -                    | -                                                            | -             | -                    | -                 | -               | -                    | -                                                                              | -             | -                    | -                 | -             | -                    |
| Subtotal: Recurring Cost                                                 | -                 | -             | -                    | -                 | -             | -                    | -                                                            | -             | -                    | -                 | -               | -                    | -                                                                              | -             | -                    | -                 | -             | -                    |
| Subtotal: Flyaway Cost                                                   | -                 | -             | -                    | -                 | -             | -                    | -                                                            | -             | -                    | -                 | -               | -                    | -                                                                              | -             | -                    | -                 | -             | -                    |
| Hardware - Trainers Cost Cost                                            |                   |               |                      |                   |               |                      |                                                              |               |                      |                   |                 |                      |                                                                                |               |                      |                   |               |                      |
| Recurring Cost                                                           |                   |               |                      |                   |               |                      |                                                              |               |                      |                   |                 |                      |                                                                                |               |                      |                   |               |                      |
| 2.1.1) SURFACE MINOR MODS                                                | -                 | -             | -                    | -                 | -             | -                    | -                                                            | -             | -                    | -                 | -               | -                    | -                                                                              | -             | -                    | -                 | -             | -                    |

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| <b>Exhibit P-5, Cost Analysis: PB 2016 Navy</b>                                 |  |  |  |  |                                                                     |  |  |  |  | <b>Date:</b> February 2015                                                            |  |  |  |  |  |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 |  |  |  |  | <b>P-1 Line Item Number / Title:</b><br>5662 / Training Device Mods |  |  |  |  | <b>Item Number / Title [DODIC]:</b><br>1 / TS004 Surface Training Device Mods [TS004] |  |  |  |  |  |  |  |

| ID Code (A=Service Ready, B=Not Service Ready) : |                |            |                   |                |            |                   |                |            |                   | MDAP/MAIS Code: |            |                   |                |            |                   |                |            |                   |
|--------------------------------------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|-----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|
| Cost Elements                                    | FY 2017        |            |                   | FY 2018        |            |                   | FY 2019        |            |                   | FY 2020         |            |                   | To Complete    |            |                   | Total Cost     |            |                   |
|                                                  | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$)  | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 2.1.2) FFT/SLEP/ MODULAR TRAINER                 | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -               | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| 2.1.3) FCA TRAINERS                              | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -               | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: Recurring Cost                         | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -               | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Subtotal: Hardware - Trainers Cost Cost          | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -               | -          | -                 | -              | -          | -                 | -              | -          | -                 |
| Gross/Weapon System Cost                         | -              | -          | -                 | -              | -          | -                 | -              | -          | -                 | -               | -          | -                 | -              | -          | -                 | -              | -          | -                 |

**Footnotes:**

- (3) NAVIGATION TRAINING SUPPORT - Funds are provided for modifications/upgrades to Navigation Shore Based Trainers
- (4) AEGIS ASHORE TRAINER/C4I/5.0CU/Tech Refresh -Funds modernization, delivery, installation and life-cycle maintenance support of a high fidelity Aegis Ashore Team Trainer in support of the land-based Aegis Ashore Training Continuum. Funds also provide for the integration of a C4I component, 5.0 Capability Upgrade (CU) and tech refresh.
- (5) COMBINED IAMD/ASW TRAINER (CIAT) -Funds are provided to procure and install hardware for a Shore Based IAMD and ASW Trainer. The increase in costs in FY16 and continuing through the FYDP are required to fund tactical and other software licensing (all baselines), Information Assurance and routine software and hardware modifications of all seven CIAT systems and ensures alignment with DON CIO Cyber requirements and tactical ship modernization. Additionally, procuring and maintaining high fidelity training devices at Fleet Concentration Areas and Navy schoolhouses for operators is less cost than the traditional procuring of lower fidelity ship embedded training systems.
- (6) NAVY TRAINING SYSTEM PLAN (NTSP Technical Training Equipment (TTE)/Training Device ( TD) Mods) - Funds are provided for the procurement and installation of training equipment and associated logistic support package as outlined in the NTSPs. The increase in costs in FY 16 and continuing through the FYDP are required to procure and install Training Equipment, develop curriculum and modernize classrooms for several critical HM&E systems including Compressed Air, Cargo Weapons Elevators, Damage Control, and Governors. Failure to update these courses will decrease sailors ability to operate and maintain these systems and will negatively impact Fleet readiness.
- (7) NIFC-CA Trainer - Funds are for the procurement and integration of models to allow for NIFC-CA and Engage on Remote training at ATRC Labs.
- (8) Center for Surface Combat Systems (CSCS) Modernization/Aegis Capability Build (ACB) Training Systems - Funds are provided for upgrades to current CSCS and ATRC training systems to eliminate reliance on outdated and maintenance-intensive technical training equipment. Procure and install equipment which will allow for training on Aegis ACB 16 and install simulation/stimulation to be used in training systems for ATRC and CSCS Aegis curriculum.
- (9) Technical Training Equipment Modifications - Funds procure Hull Mechanical and Electrical (HM&E), and Combat Systems (CS) technical training equipment (TTE) for the training activities. Provides equipment to augment existing TTE due to increased student throughput, replaces equipment beyond economical repair and procures new equipment.
- (10) Navigation Training Continuum - Funds provide for implementation of formal navigation continuum training courses of instruction for enlisted Quartermasters for enlisted navigation (non-maintenance) watch standers and updates the Officer Navigation Training Continuum and improve waterfront navigation operator training to meet mandated requirements in the Surface Navigation System Navy Training Systems Plan. Funds provide for curriculum materials and training equipment.
- (11) European Phased Adaptive Approach (EPAA) Aegis Ballistic Missile Defense (BMD) Ashore Team Trainer - Funds the training facility to train Navy Sailors who will man EPAA land-based BMD facilities in Poland and Romania. The Aegis Ashore Team Trainer (AATT) at Dam Neck, VA will serve as the single site for individual watch team tactical training, certification events and sustainment training for Aegis Ashore rotational crews assigned to AA BMD Host Nation Sites.
- (12) Multi-Purpose Supporting Arms Trainer (MSAT)- Funds for trainer system upgrades for 3 MSATs to include functionality upgrades to incorporate new equipment/ hardware and procedural changes to maintain training system annual certification requirements.

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| <b>Exhibit P-5, Cost Analysis:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                     | <b>Date:</b> February 2015                                                            |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>P-1 Line Item Number / Title:</b><br>5662 / Training Device Mods | <b>Item Number / Title [DODIC]:</b><br>1 / TS004 Surface Training Device Mods [TS004] |
| <b>ID Code</b> (A=Service Ready, B=Not Service Ready) :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                     | <b>MDAP/MAIS Code:</b>                                                                |
| <p><sup>(13)</sup> LHA 6 and LHD 8 Life Cycle Training - This line procures maintainer/operator training equipment and software applications for LHA-6/LHD-8 engineering systems in support of multiple courses of instruction at SWOS Learning Center Great Lakes, Norfolk, and San Diego, as required by several Navy Training System Plans (NTSPs).</p> <p><sup>(14)</sup> SURFACE MINOR MODS - Modifications are required to meet safety standards, keep training systems compatible with equivalent changes made to fleet operational equipment, and to enhance training capabilities. These modifications support the 300+ fielded Surface training systems.</p> <p><sup>(15)</sup> FFT/SLEP/MODULAR TRAINER-Funds are provided for the Service Life Extension Program (SLEP) Firefighter Trainer (FFT).</p> <p><sup>(16)</sup> FCA TRAINERS - Funds are provided for upgrades to shore based trainers (Combat System, HM&amp;E) in Fleet Concentration Areas.</p> |                                                                     |                                                                                       |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                |                |                                                                     |                    |                      |                |                |                | <b>Date:</b> February 2015                                                  |                    |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------|----------------|---------------------------------------------------------------------|--------------------|----------------------|----------------|----------------|----------------|-----------------------------------------------------------------------------|--------------------|-------------------|
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                |                | <b>P-1 Line Item Number / Title:</b><br>5662 / Training Device Mods |                    |                      |                |                |                | <b>Modification Number / Title:</b><br>1 / TD009 SMMTT PH3<br>MODIFICATIONS |                    |                   |
| <b>Resource Summary</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Prior Years</b> | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016 Base</b>                                                 | <b>FY 2016 OCO</b> | <b>FY 2016 Total</b> | <b>FY 2017</b> | <b>FY 2018</b> | <b>FY 2019</b> | <b>FY 2020</b>                                                              | <b>To Complete</b> | <b>Total</b>      |
| Procurement Quantity ( <i>Units in Each</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                  | -              | -              | -                                                                   | -                  | -                    | -              | -              | -              | -                                                                           | -                  | -                 |
| Gross/Weapon System Cost ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.000              | -              | 3.435          | 10.678                                                              | -                  | 10.678               | 10.363         | 19.514         | 8.788          | 14.148                                                                      | Continuing         | Continuing        |
| Less PY Advance Procurement ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                  | -              | -              | -                                                                   | -                  | -                    | -              | -              | -              | -                                                                           | -                  | -                 |
| Net Procurement (P1) ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.000              | -              | 3.435          | 10.678                                                              | -                  | 10.678               | 10.363         | 19.514         | 8.788          | 14.148                                                                      | Continuing         | Continuing        |
| Plus CY Advance Procurement ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -                  | -              | -              | -                                                                   | -                  | -                    | -              | -              | -              | -                                                                           | -                  | -                 |
| <b>Total Obligation Authority (<i>\$ in Millions</i>)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>0.000</b>       | <b>-</b>       | <b>3.435</b>   | <b>10.678</b>                                                       | <b>-</b>           | <b>10.678</b>        | <b>10.363</b>  | <b>19.514</b>  | <b>8.788</b>   | <b>14.148</b>                                                               | <b>Continuing</b>  | <b>Continuing</b> |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                |                |                                                                     |                    |                      |                |                |                |                                                                             |                    |                   |
| Initial Spares ( <i>\$ in Millions</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                  | -              | -              | -                                                                   | -                  | -                    | -              | -              | -              | -                                                                           | -                  | -                 |
| Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                  | -              | -              | -                                                                   | -                  | -                    | -              | -              | -              | -                                                                           | -                  | -                 |
| <p><b>Description:</b><br/>SMMTT upgrades to hardware and simulation to match current Fleet configurations.</p> <p>[SMMTT PH3 MODS] TD009: SMMTT PH3 MODS<br/>The increase in costs in FY16 and FY18 are directly correlated to the kits receiving additional Trainer Enhancement requirements directed by the TYCOM. The requirements include, but are not limited to Low Cost Conformal Array (LCCA) updates, All World Environmental Simulator (AWESIM) tech refresh, and Periscope Simulators (PSIM). Also included are the Uninterrupted Power Supply American Power Conversion(UPS/APC) procurements, system procurements of Touchscreens displays across various sites, and updates to the Torpedo Relevancy Model(TRM).</p> <p>In FY17, cost is applied to deferred install costs.</p> <p>In FY19, the slight unit cost increase is attributed to updating 1 trainer, vice 4 trainers in FY16 and FY18.</p> |                    |                |                |                                                                     |                    |                      |                |                |                |                                                                             |                    |                   |



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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |                                           |                                           |                                           |                                                                     |                                           |                                           |                                           |                                           |                                           | <b>Date:</b> February 2015                                                  |                                           |                                           |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 |                                           |                                           |                                           | <b>P-1 Line Item Number / Title:</b><br>5662 / Training Device Mods |                                           |                                           |                                           |                                           |                                           | <b>Modification Number / Title:</b><br>1 / TD009 SMMTT PH3<br>MODIFICATIONS |                                           |                                           |  |
| <b>Models of Systems Affected:</b> SMMTT PH3<br>MODIFICATIONS                   |                                           |                                           |                                           | <b>Modification Type:</b>                                           |                                           |                                           |                                           |                                           |                                           | <b>Related RDT&amp;E PEs:</b>                                               |                                           |                                           |  |
| <b>Financial Plan</b>                                                           | <b>Prior Years</b>                        | <b>FY 2014</b>                            | <b>FY 2015</b>                            | <b>FY 2016<br/>Base</b>                                             | <b>FY 2016<br/>OCO</b>                    | <b>FY 2016<br/>Total</b>                  | <b>FY 2017</b>                            | <b>FY 2018</b>                            | <b>FY 2019</b>                            | <b>FY 2020</b>                                                              | <b>To<br/>Complete</b>                    | <b>Total</b>                              |  |
|                                                                                 | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i>                           | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i>                                   | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> | <i>Qty (Each) /<br/>Total Cost (\$ M)</i> |  |
| <b>Procurement</b>                                                              |                                           |                                           |                                           |                                                                     |                                           |                                           |                                           |                                           |                                           |                                                                             |                                           |                                           |  |
| <i>Modification Item 1 of 1:</i> TD009 SMMTT PH3<br>MODIFICATIONS               |                                           |                                           |                                           |                                                                     |                                           |                                           |                                           |                                           |                                           |                                                                             |                                           |                                           |  |
| B Kits                                                                          |                                           |                                           |                                           |                                                                     |                                           |                                           |                                           |                                           |                                           |                                                                             |                                           |                                           |  |
| Recurring                                                                       |                                           |                                           |                                           |                                                                     |                                           |                                           |                                           |                                           |                                           |                                                                             |                                           |                                           |  |
| 1.1.1) SMMTT PH3 MODS - NonOrganic <sup>(17)</sup>                              | 4 / 0.000                                 | 4 / -                                     | 1 / 2.676                                 | 2 / 9.927                                                           | - / -                                     | 2 / 9.927                                 | 3 / 9.623                                 | 3 / 18.775                                | 2 / 8.028                                 | 4 / 13.373                                                                  | Continuing                                | Continuing                                |  |
| <i>Subtotal: Recurring</i>                                                      | - / 0.000                                 | - / -                                     | - / 2.676                                 | - / 9.927                                                           | - / -                                     | - / 9.927                                 | - / 9.623                                 | - / 18.775                                | - / 8.028                                 | - / 13.373                                                                  | <i>Continuing</i>                         | <i>Continuing</i>                         |  |
| <i>Subtotal: TD009 SMMTT PH3 MODIFICATIONS</i>                                  | 4 / 0.000                                 | 4 / -                                     | 1 / 2.676                                 | 2 / 9.927                                                           | - / -                                     | 2 / 9.927                                 | 3 / 9.623                                 | 3 / 18.775                                | 2 / 8.028                                 | 4 / 13.373                                                                  | <i>Continuing</i>                         | <i>Continuing</i>                         |  |
| <i>Subtotal: Procurement, All Modification Items</i>                            | - / 0.000                                 | - / -                                     | - / 2.676                                 | - / 9.927                                                           | - / -                                     | - / 9.927                                 | - / 9.623                                 | - / 18.775                                | - / 8.028                                 | - / 13.373                                                                  | <i>Continuing</i>                         | <i>Continuing</i>                         |  |
| <b>Installation</b>                                                             |                                           |                                           |                                           |                                                                     |                                           |                                           |                                           |                                           |                                           |                                                                             |                                           |                                           |  |
| <i>Modification Item 1 of 1:</i> TD009 SMMTT PH3<br>MODIFICATIONS               |                                           |                                           |                                           |                                                                     |                                           |                                           |                                           |                                           |                                           |                                                                             |                                           |                                           |  |
| <i>Subtotal: Installation</i>                                                   | - / 0.000                                 | - / -                                     | - / 0.759                                 | - / 0.751                                                           | - / -                                     | - / 0.751                                 | - / 0.740                                 | - / 0.739                                 | - / 0.760                                 | - / 0.775                                                                   | <i>Continuing</i>                         | <i>Continuing</i>                         |  |
| <b>Total</b>                                                                    |                                           |                                           |                                           |                                                                     |                                           |                                           |                                           |                                           |                                           |                                                                             |                                           |                                           |  |
| <b>Total Cost (Procurement + Support + Installation)</b>                        | <b>0.000</b>                              | <b>-</b>                                  | <b>3.435</b>                              | <b>10.678</b>                                                       | <b>-</b>                                  | <b>10.678</b>                             | <b>10.363</b>                             | <b>19.514</b>                             | <b>8.788</b>                              | <b>14.148</b>                                                               | <b>Continuing</b>                         | <b>Continuing</b>                         |  |

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| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                      |  |                                                                     |  | <b>Date:</b> February 2015 |                                                                          |  |  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7 |  | <b>P-1 Line Item Number / Title:</b><br>5662 / Training Device Mods |  |                            | <b>Modification Number / Title:</b><br>1 / TD009 SMMTT PH3 MODIFICATIONS |  |  |

**Modification Item 1 of 1:** TD009 SMMTT PH3 MODIFICATIONS

**Manufacturer Information**

|                                                     |  |  |  |                                                  |  |  |  |
|-----------------------------------------------------|--|--|--|--------------------------------------------------|--|--|--|
| Manufacturer Name: NSWC CD/NUWC NPT <sup>(18)</sup> |  |  |  | Manufacturer Location: BETHESDA, MD/ NEWPORT, RI |  |  |  |
| Administrative Leadtime (in Months): 6              |  |  |  | Production Leadtime (in Months): 17              |  |  |  |

| Dates          | FY 2014  | FY 2015  | FY 2016  | FY 2017  | FY 2018  | FY 2019  | FY 2020 |
|----------------|----------|----------|----------|----------|----------|----------|---------|
| Contract Dates | Jan 2014 | Jan 2015 | Jan 2016 | Jan 2017 | Jan 2018 | Jan 2019 |         |
| Delivery Dates | May 2015 | May 2016 | May 2017 | May 2018 | May 2019 | May 2020 |         |

**Installation Information**

**Method of Implementation:** AIT:: Installation Name: SMMTT PH3 MODS

| Installation Cost | Prior Years                    | FY 2014                        | FY 2015                        | FY 2016 Base                   | FY 2016 OCO                    | FY 2016 Total                  | FY 2017                        | FY 2018                        | FY 2019                        | FY 2020                        | To Complete                    | Total                          |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                   | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years       | - / -                          | - / -                          | 2 / 0.378                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 2 / 0.378                      |
| FY 2014           | - / -                          | - / -                          | 2 / 0.381                      | 2 / 0.381                      | - / -                          | 2 / 0.381                      | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 4 / 0.762                      |
| FY 2015           | - / -                          | - / -                          | - / -                          | 1 / 0.370                      | - / -                          | 1 / 0.370                      | - / 0.369                      | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 0.739                      |
| FY 2016           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 0.371                      | 1 / 0.368                      | - / -                          | - / -                          | - / -                          | 2 / 0.739                      |
| FY 2017           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 0.371                      | 2 / 0.378                      | - / -                          | - / -                          | 3 / 0.749                      |
| FY 2018           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 0.382                      | 2 / 0.385                      | - / -                          | 3 / 0.767                      |
| FY 2019           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | 1 / 0.390                      | Continuing                     | Continuing                     |
| FY 2020           | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | Continuing                     | Continuing                     |
| To Complete       | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          | - / -                          |
| Total             | - / -                          | - / -                          | 4 / 0.759                      | 3 / 0.751                      | - / -                          | 3 / 0.751                      | 1 / 0.740                      | 2 / 0.739                      | 3 / 0.760                      | 3 / 0.775                      | Continuing                     | Continuing                     |

**Installation Schedule**

|     | PYS | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    | FY 2019 |    |    |    | FY 2020 |    |    |    | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
|     |     | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 | Q1      | Q2 | Q3 | Q4 |    |     |
| In  | -   | -       | -  | -  | -  | -       | -  | 2  | 2  | -       | -  | 1  | 2  | -       | -  | -  | 1  | -       | -  | -  | 2  | -       | -  | 1  | 2  | -       | -  | -  | 3  | 5  | 21  |
| Out | -   | -       | -  | -  | -  | -       | -  | 2  | 2  | -       | -  | 1  | 2  | -       | -  | -  | 1  | -       | -  | -  | 2  | -       | -  | 1  | 2  | -       | -  | -  | 3  | 5  | 21  |

**Footnotes:**

<sup>(17)</sup> Production lead time increased from an average of 11 months to 17 months due to an increase in Tactical TI/APB scheduled deliveries to the fleet and Engineering Production Model. In FY16, the installation cost for 1 kit increases due to equipment installation in the training facility in GUAM. This will require a ripout of existing equipment and modifications to the HVAC (Heating/Ventilation/Air Conditioning) to accomodate the SMMTT install. In addition, an increase in shipping cost to GUAM will occur. In FY17, There are 0 quantities with \$369K of installation funding. Funding will be applied to previously deferred SMMTT EPM installations, which will require a ripout of existing equipment and modifications to the HVAC (Heating/Ventilation/Air Conditioning) to accommodate the SSN and SSBN SMMTT EPMs. FY18

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <b>Exhibit P-3a, Individual Modification:</b> PB 2016 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                     | <b>Date:</b> February 2015                                                  |
| <b>Appropriation / Budget Activity / Budget Sub Activity:</b><br>1810N / 04 / 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>P-1 Line Item Number / Title:</b><br>5662 / Training Device Mods | <b>Modification Number / Title:</b><br>1 / TD009 SMMTT PH3<br>MODIFICATIONS |
| <p>&amp; FY19 installation unit cost increase for 2 kits (1 per fiscal year) are due to receiving additional Trainer Enhancement requirements directed by the TYCOM which require a ripout of existing equipment and modifications to support higher-fidelity equipment but are not limited to Low Cost Conformal Array (LCCA) updates, All World Environmental Simulator (AWESIM) tech refresh, and Periscope Simulators (PSIM). Also included are the Uninterrupted Power Supply American Power Conversion(UPS/APC) procurements, system procurements of Touchscreens displays across various sites, and updates to the Torpedo Relevancy Model(TRM). The prior years quantity column is referencing 4 quantities purchased in the old line item 5661 in FY14 and 4 quantities purchased in the years prior to FY14.</p> <p><sup>(18)</sup> NSWC CD &amp; NUWC NPT are collaborating warfare centers that manage and execute the SMMTT as directed by NAVSEA. Both warfare centers function as a prime for this effort. However, for cost efficiency purposes, they compete their cognizant tasks among multiple vendors with multiple orders to provide equipment/software in a timely manner to meet the fleet required training dates. As such, the SMMTT delivery is not linked to any single contract date.</p> |                                                                     |                                                                             |

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