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| Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Navy | Date: February 2018 |
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| Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)</i> | R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i> |
|--|--|

| COST (\$ in Millions) | Prior Years | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total | FY 2020 | FY 2021 | FY 2022 | FY 2023 | Cost To Complete | Total Cost |
|--|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|------------------|------------|
| Total Program Element | 7,941.253 | 61.959 | 11.795 | 37.296 | - | 37.296 | 10.184 | 10.381 | 10.575 | 10.767 | Continuing | Continuing |
| 2696: <i>Multi-Mission Maritime Aircraft</i> | 7,860.321 | 50.291 | 8.995 | 7.466 | - | 7.466 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 7,927.074 |
| 3368: <i>P-8 Improvements</i> | 1.491 | 1.996 | 2.800 | 29.830 | - | 29.830 | 10.183 | 10.381 | 10.575 | 10.767 | Continuing | Continuing |
| 9999: <i>Congressional Adds</i> | 79.441 | 9.672 | 0.000 | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 89.113 |

Program MDAP/MAIS Code:
Project MDAP/MAIS Code(s): 334

A. Mission Description and Budget Item Justification

The P-8A Multi-mission Maritime Aircraft will replace the aging P-3 aircraft. The P-8A program was initiated in response to the Joint Requirements Oversight Council (JROC) validated Mission Needs Statement, "Broad Area Maritime and Littoral Armed Intelligence, Surveillance and Reconnaissance" and the requirements for the program are defined in the P-8A Capability Production Document #791-88-09, validated and approved on 22 June 2009. A successful Critical Design Review was completed in June 2007. In August 2007 the Design Readiness Review was conducted and resulted in approval to obligate funding for the fabrication of the Stage II flight test aircraft. The first flight of P-8A occurred on 25 Apr 2009. Milestone (MS) C was successfully completed on 11 August 2010. The program completed Initial Operational Test and Evaluation (IOT&E) in March 2013 and achieved Initial Operational Capability (IOC) in November 2013. The Acquisition Decision Memorandum approved entry into Full Rate Production on January 3, 2014.

The primary objectives of Systems Development and Demonstration (SDD) are to perform the system detailed design, develop and produce Systems Integration Labs, develop and build ground and flight test articles, and conduct ground and flight tests to successfully achieve program milestones. Ground testing includes the conduct of static testing, fatigue testing and Live Fire Test and Evaluation. Six flight test aircraft have been built during SDD (PU 2696). These test aircraft are grouped into two stages based on which phase of the test program the aircraft will support. SDD Stage I flight test aircraft (FY06/Qty-3) support Integrated Test and Evaluation (IT&E). SDD Stage II flight test aircraft (FY09/Qty-3) supported the completion of IT&E and Initial Operational Test and Evaluation (IOT&E) after being updated to the production configuration. The SDD contract includes the development and initial building of training devices to support IOT&E. The scope of SDD includes activities necessary to facilitate an efficient transition of the fleet to achieve the P-8A Initial Operational Capability (IOC) of SDD (PU 2696) in CY13. The scope of SDD also includes the engineering and verification of corrected deficiencies identified in testing and Fleet operational use. P-8A entered Production and Deployment phase in the 4th quarter of FY10 and entered Full Rate Production in 2nd quarter of FY14.

P-8A program is based on an evolutionary acquisition strategy consisting of sequential incremental enhancements to system capabilities that will retain cost-wise effectiveness for winning major combat operations. In order to pace the threat, Spiral One (Increment 2), the Next Phase of Capabilities, will incorporate the following capabilities into the P-8A: Multi-Static Active Coherent (MAC), Automatic Identification System, Rapid Capabilities Insertion (RCI), updates to the Tactical Operations Center (TOC), as well as additional Anti-Submarine Warfare (ASW), Anti-Surface Warfare (ASuW) and Intelligence Surveillance and Reconnaissance capabilities as Engineering Change Proposals (ECPs). The scope of this effort includes the integration, design, ground testing (lab & aircraft) and flight test of the capability

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| Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy I BA 5: System Development & Demonstration (SDD) | | R-1 Program Element (Number/Name) PE 0605500N I Multi-mssn Maritime Aircraft (MMA) (P-8A) | | | | |
| enhancements to the P-8A and associated Tactical Operations Center ground support facilities and initial trainers. Integration and test of these capabilities as well as integration of Advanced Airborne Sensor (AAS) capability will be accomplished incrementally, based on the scope of the integration effort. This includes support of Special Mission Configuration Test Program (SMCTP). | | | | | | |
| The P-8A Multi-mission Maritime Aircraft (MMA) program also includes a sequence of RCI's and rapid development efforts to respond to evolving threats which will retain cost-wise effectiveness for winning major combat operations. In order to pace the threat, these efforts will incorporate incremental software and hardware improvements to existing sensors, communications systems, mission systems, weapons capabilities and Tactical Operations Center (TOC) to build on the P-8A capability baseline. These capabilities, and other emergent capability requirements, will be prioritized through the Navy Integration and Interoperability (I&I)-aligned Capability Prioritization Process (CPP) and P-8A Tier 3 Capability Roadmap. The CPP process will be supported by detailed analysis and the maturation of developing technologies. | | | | | | |
| Budget Activity 5. JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under SYSTEM DEVELOPMENT AND DEMONSTRATION because it includes those projects that have passed Milestone B approval and are conducting engineering and manufacturing development tasks aimed at meeting validated requirement prior to full-rate production decision. | | | | | | |
| B. Program Change Summary (\$ in Millions) | | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total |
| Previous President's Budget | | 59.126 | 11.795 | 19.687 | - | 19.687 |
| Current President's Budget | | 61.959 | 11.795 | 37.296 | - | 37.296 |
| Total Adjustments | | 2.833 | 0.000 | 17.609 | - | 17.609 |
| • Congressional General Reductions | | - | - | | | |
| • Congressional Directed Reductions | | - | - | | | |
| • Congressional Rescissions | | - | - | | | |
| • Congressional Adds | | - | - | | | |
| • Congressional Directed Transfers | | - | - | | | |
| • Reprogrammings | | - | - | | | |
| • SBIR/STTR Transfer | | -2.155 | 0.000 | | | |
| • Program Adjustments | | 0.000 | 0.000 | 17.993 | - | 17.993 |
| • Rate/Misc Adjustments | | 0.000 | 0.000 | -0.384 | - | -0.384 |
| • Congressional General Reductions Adjustments | | -0.012 | - | - | - | - |
| • Congressional Directed Reductions Adjustments | | -5.000 | - | - | - | - |
| • Congressional Add Adjustments | | 10.000 | - | - | - | - |

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Navy | | Date: February 2018 | | | | | | | | | | | | | | | | | |
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| Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)</i> | | R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i> | | | | | | | | | | | | | | | | | |
| <u>Congressional Add Details (\$ in Millions, and Includes General Reductions)</u> Project: 9999: <i>Congressional Adds</i> Congressional Add: <i>Small Business Technology Insertion</i> | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="padding: 5px;">FY 2017</th> <th style="padding: 5px;">FY 2018</th> </tr> <tr> <td style="padding: 5px;">9.672</td> <td style="padding: 5px;">0.000</td> </tr> <tr> <td style="padding: 5px;">9.672</td> <td style="padding: 5px;">0.000</td> </tr> <tr> <td style="padding: 5px;">9.672</td> <td style="padding: 5px;">0.000</td> </tr> </table> | FY 2017 | FY 2018 | 9.672 | 0.000 | 9.672 | 0.000 | 9.672 | 0.000 | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="padding: 5px;">FY 2017</th> <th style="padding: 5px;">FY 2018</th> </tr> <tr> <td style="padding: 5px;">9.672</td> <td style="padding: 5px;">0.000</td> </tr> <tr> <td style="padding: 5px;">9.672</td> <td style="padding: 5px;">0.000</td> </tr> <tr> <td style="padding: 5px;">9.672</td> <td style="padding: 5px;">0.000</td> </tr> </table> | FY 2017 | FY 2018 | 9.672 | 0.000 | 9.672 | 0.000 | 9.672 | 0.000 |
| FY 2017 | FY 2018 | | | | | | | | | | | | | | | | | | |
| 9.672 | 0.000 | | | | | | | | | | | | | | | | | | |
| 9.672 | 0.000 | | | | | | | | | | | | | | | | | | |
| 9.672 | 0.000 | | | | | | | | | | | | | | | | | | |
| FY 2017 | FY 2018 | | | | | | | | | | | | | | | | | | |
| 9.672 | 0.000 | | | | | | | | | | | | | | | | | | |
| 9.672 | 0.000 | | | | | | | | | | | | | | | | | | |
| 9.672 | 0.000 | | | | | | | | | | | | | | | | | | |
| <u>Change Summary Explanation</u> Technical: Not applicable. Schedule: Not applicable. | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy | | | | | | | | | | Date: February 2018 | | |
| Appropriation/Budget Activity 1319 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A) | | | | Project (Number/Name) 2696 / Multi-Mission Maritime Aircraft | | | |
| COST (\$ in Millions) | Prior Years | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total | FY 2020 | FY 2021 | FY 2022 | FY 2023 | Cost To Complete | Total Cost |
| 2696: Multi-Mission Maritime Aircraft | 7,860.321 | 50.291 | 8.995 | 7.466 | - | 7.466 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 7,927.074 |
| Quantity of RDT&E Articles | | - | - | - | - | - | - | - | - | - | | |
| Project MDAP/MAIS Code: 334 | | | | | | | | | | | | |
| A. Mission Description and Budget Item Justification | | | | | | | | | | | | |
| The P-8A Multi-mission Maritime Aircraft (MMA) will replace the aging P-3 aircraft. The P-8A program was initiated in response to the Joint Requirements Oversight Council (JROC) validated Mission Needs Statement (MNS), "Broad Area Maritime and Littoral Armed Intelligence, Surveillance and Reconnaissance" and the requirements for the program are defined in the P-8A Capability Production Document (CPD) #791-88-09, validated and approved on 22 June 2009. A successful Critical Design Review was completed in June 2007. In August 2007 the Design Readiness Review was conducted and resulted in approval to obligate funding for the fabrication of the Stage II flight test aircraft. The first flight of P-8A occurred on 25 Apr 2009. Milestone (MS) C was successfully completed on 11 August 2010. The program completed Initial Operational Test and Evaluation (IOT&E) in March 2013 and achieved Initial Operational Capability (IOC) in November 2013. The Acquisition Decision Memorandum approved entry into Full Rate Production on January 3, 2014. | | | | | | | | | | | | |
| The primary objectives of Systems Development and Demonstration (SDD) are to perform the system detailed design, develop and produce Systems Integration Labs, develop and build ground and flight test articles, and conduct ground and flight tests to successfully achieve program milestones. Ground testing includes the conduct of static testing, fatigue testing and Live Fire Test and Evaluation. Six flight test aircraft have been built during SDD. These test aircraft are grouped into two stages based on which phase of the test program the aircraft will support. SDD Stage I flight test aircraft (FY06/Qty-3) support Integrated Test and Evaluation (IT&E). SDD Stage II flight test aircraft (FY09/Qty-3) supported the completion of IT&E and Initial Operational Test and Evaluation (IOT&E) after being updated to the production configuration. The SDD contract includes the development and initial building of training devices to support IOT&E. The scope of SDD includes activities necessary to facilitate an efficient transition of the fleet to achieve the P-8A Initial Operational Capability (IOC) of SDD (PU 2696) in CY13. The scope of SDD also includes the engineering and verification of corrected deficiencies identified in testing and Fleet operational use and the baseline air to air refueling. P-8A entered Production and Deployment phase in the 4th quarter of FY10 and entered Full Rate Production in 2nd quarter of FY14. | | | | | | | | | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | | | | | | | | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total |
| Title: Continue System Development & Demonstration | | | | | | | | 47.273 | 8.410 | 7.096 | 0.000 | 7.096 |
| | | | | | | | | Articles: - | - | - | - | - |
| FY 2018 Plans: | | | | | | | | | | | | |
| SDD phase. Scope of effort includes: support and update to ground and flight test articles (Stage I and II), continuation of Third Lifetime Full-Scale Fatigue Test analysis and completion of H-Stab static testing analysis. | | | | | | | | | | | | |
| FY 2019 Base Plans: | | | | | | | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy | | | Date: February 2018 | | |
| Appropriation/Budget Activity 1319 / 5 | | R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A) | | Project (Number/Name) 2696 / Multi-Mission Maritime Aircraft | |

| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| SDD phase. Scope of effort includes: support and update to ground and flight test articles (Stage I and II), and completion of Third Lifetime Full-Scale Fatigue Test analysis. FY 2019 OCO Plans: N/A FY 2018 to FY 2019 Increase/Decrease Statement: The decrease is due to execution and Congressional adjustments. | | | | | |
| Title: Continue Engineering and Technical Development and Test for Sys Dev & Demonstration contracts Articles: | 3.018 - | 0.585 - | 0.370 - | 0.000 - | 0.370 - |
| FY 2018 Plans: Continue analysis of contracted deliverables; direct technical and logistic support of system development test aircraft; conduct fatigue analysis and delivery of reports; evaluate contract cost, schedule, and performance; test preparations, provide necessary government furnished equipment and test articles, risk assessment/mitigation; program control; and performance status. Conduct and support IT&E and FOT&E/VCD. FY 2019 Base Plans: Continue analysis of contracted deliverables; direct technical and logistic support of system development test aircraft; conduct fatigue analysis and delivery of reports; evaluate contract cost, schedule, and performance; test preparations, provide necessary government furnished equipment and test articles, risk assessment/mitigation; program control; and performance status. Conduct and support FOT&E/VCD. FY 2019 OCO Plans: N/A FY 2018 to FY 2019 Increase/Decrease Statement: The decrease is due to execution and Congressional adjustments. | | | | | |
| Accomplishments/Planned Programs Subtotals | 50.291 | 8.995 | 7.466 | 0.000 | 7.466 |

| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
|--|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|-------------------------|-------------------|
| Line Item | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total | FY 2020 | FY 2021 | FY 2022 | FY 2023 | Cost To Complete | Total Cost |
| • APN1/0193: P-8A MMA | 1,820.238 | 1,245.251 | 1,803.753 | - | 1,803.753 | 1,695.995 | 95.624 | 0.000 | 0.000 | 0.000 | 22,094.164 |
| • APN6/0605: P-8A Initial Spares | 47.795 | 33.063 | 37.899 | - | 37.899 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 553.433 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy | | | | | | | | | | Date: February 2018 | |
| Appropriation/Budget Activity 1319 / 5 | | | | R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A) | | | | Project (Number/Name) 2696 / Multi-Mission Maritime Aircraft | | | |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
| | | | FY 2019 | FY 2019 | FY 2019 | | | | | Cost To | |
| Line Item | FY 2017 | FY 2018 | Base | OCO | Total | FY 2020 | FY 2021 | FY 2022 | FY 2023 | Complete | Total Cost |
| Remarks | | | | | | | | | | | |
| D. Acquisition Strategy | | | | | | | | | | | |
| <p>The MMA Milestone 0 was approved 22 March 2000 and the resulting Acquisition Decision Memorandum directed P-8A to begin the Concept Exploration phase consisting of an Analysis of Alternatives and industry concept studies. These activities began 3Q/01 and were funded under Program Element 0702207N Project Unit W2737. Approval to enter Component Advance Development (CAD) was attained from the Overarching Integrated Product Team on 18 Jan 2002 and the Milestone Decision Authority Under Secretary of Defense for Acquisition, Technology, & Logistics approved the program Acquisition Strategy on 8 Feb 2002. The CAD was a competitive award to multiple contractors to define alternative MMA concept system architectures and evaluate associated risks and proposed mitigations. Selection of MMA concept and approval to enter SDD phase occurred at MS B decision review on 28 May 2004. The contract was awarded to Boeing on 14 June 2004. The SDD phase is being used to design, develop and test the P-8A system. The P-8A program was initiated in response to the Joint Requirements Oversight Council validated Mission Needs Statement, "Broad Area Maritime and Littoral Armed Intelligence, Surveillance and Reconnaissance" and the requirements for the program are defined in the Capability Production Document. MS C was successfully completed on 11 August 2010 approving entry into the Production and Deployment Phase. P-8A Initial Operational Capability achieved in November 2013. Entry into Full Rate Production was approved on 3 January 2014.</p> | | | | | | | | | | | |
| E. Performance Metrics | | | | | | | | | | | |
| <p>Completed first period of Follow-On Test & Evaluation (FOT&E) and Verification of Corrected Deficiencies (VCD) in 2nd quarter 2014. Completed second and third FOT&E and VCD Feb 2015 and Dec 2015. Completed Air to Air Refueling (AAR) ground and developmental flight testing, H-Stab fatigue and residual strength testing, and Second Lifetime Full- Scale Fatigue Test cycling in FY16. H-Stab static and AAR operational test will be completed in FY17. Completion of FY18 & FY19 FOT&E and VCD. Completion of Fatigue Testing analysis.</p> | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Navy | | | | | | | | | | | | Date: February 2018 | | | |
|--|------------------------|--------------------------------|-------------|---------|------------|--|------------|--------------|------------|---|------------|---------------------|------------------|------------|--------------------------|
| Appropriation/Budget Activity 1319 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A) | | | | Project (Number/Name) 2696 / Multi-Mission Maritime Aircraft | | | | | |
| Product Development (\$ in Millions) | | | | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Primary HW Dev - Boeing | C/CPAF | Boeing : Seattle, WA | 6,951.548 | 45.254 | Oct 2016 | 7.751 | Dec 2017 | 6.946 | Dec 2018 | - | | 6.946 | 0.000 | 7,011.499 | 7,011.499 |
| Sys Eng (gov) | WR | NAWC AD : Pax River, MD | 82.276 | 2.019 | Nov 2016 | 0.659 | Nov 2017 | 0.150 | Nov 2018 | - | | 0.150 | 0.000 | 85.104 | - |
| Prior year Prod Dev cost no longer funded in the FYDP | Various | Various : Various | 319.530 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 319.530 | - |
| Subtotal | | | 7,353.354 | 47.273 | | 8.410 | | 7.096 | | - | | 7.096 | 0.000 | 7,416.133 | N/A |
| Remarks The FY2019 funding request was reduced by \$0.003 million to account for the availability of prior year execution balances. | | | | | | | | | | | | | | | |
| Support (\$ in Millions) | | | | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Int. Log Gov | WR | NAWC AD : Pax River, MD | 43.918 | 0.035 | Nov 2016 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 43.953 | - |
| Tech Dev Gov | WR | NAWC AD : Pax River, MD | 77.091 | 0.162 | Nov 2016 | 0.162 | Nov 2017 | 0.160 | Nov 2018 | - | | 0.160 | 0.000 | 77.575 | - |
| Prior year Support cost no longer funded in the FYDP | Various | Various : Various | 31.369 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 31.369 | - |
| Subtotal | | | 152.378 | 0.197 | | 0.162 | | 0.160 | | - | | 0.160 | 0.000 | 152.897 | N/A |
| Test and Evaluation (\$ in Millions) | | | | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Dev T&E - Gov | WR | NAWC AD : Pax River, MD | 99.394 | 1.195 | Nov 2016 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 100.589 | - |
| GFE & GFI | WR | NAWC AD : Pax River, MD | 89.544 | 0.463 | Nov 2016 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 90.007 | - |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Navy | | | | | | | | | | | | Date: February 2018 | | | |
|--|------------------------|--------------------------------|-------------|---------|------------|--|------------|--------------|------------|---|------------|---------------------|------------------|------------|--------------------------|
| Appropriation/Budget Activity 1319 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A) | | | | Project (Number/Name) 2696 / Multi-Mission Maritime Aircraft | | | | | |
| Test and Evaluation (\$ in Millions) | | | | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Oper Test & Eval | WR | NAWC AD : Pax River, MD | 6.642 | 0.147 | Nov 2016 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 6.789 | - |
| Prior year T&E cost no longer funded in the FYDP | Various | Various : Various | 39.471 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 39.471 | - |
| Subtotal | | | 235.051 | 1.805 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 236.856 | N/A |
| Management Services (\$ in Millions) | | | | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Mgmt Suppt Serv (NON-FFRDC) | C/CPFF | RBC INC : Alexandria, VA | 31.919 | 0.381 | Nov 2016 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 32.300 | 32.300 |
| Eng Tech Serv (NON-FFRDC) | C/CPFF | ASEC : Lexington Park MD | 11.453 | 0.125 | Nov 2016 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 11.578 | 11.578 |
| Program Mgmt Support | WR | NAWC AD : Pax River, MD | 51.654 | 0.360 | Nov 2016 | 0.360 | Nov 2017 | 0.160 | Nov 2018 | - | | 0.160 | 0.000 | 52.534 | - |
| Travel | Allot | NAWC AD : Pax River, MD | 4.154 | 0.150 | Nov 2016 | 0.063 | Nov 2017 | 0.050 | Oct 2018 | - | | 0.050 | 0.000 | 4.417 | - |
| Prior year Mgmt cost no longer funded in the FYDP | Various | Various : Various | 20.358 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 20.358 | - |
| Subtotal | | | 119.538 | 1.016 | | 0.423 | | 0.210 | | - | | 0.210 | 0.000 | 121.187 | N/A |
| | | | Prior Years | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | 7,860.321 | 50.291 | | 8.995 | | 7.466 | | - | | 7.466 | 0.000 | 7,927.073 | N/A |
| Remarks | | | | | | | | | | | | | | | |

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Exhibit R-4, RDT&E Schedule Profile: PB 2019 Navy **Date:** February 2018

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| Appropriation/Budget Activity 1319 / 5 | R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A) | Project (Number/Name) 2696 / Multi-Mission Maritime Aircraft |
|--|--|--|

| Multi-Mission Maritime Aircraft | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | | | | |
|---------------------------------|-------|---|----|----|----|------------------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|--|--|--|--|
| | | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q | | | | |
| Systems Development | | Air to Air Refueling | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hardware/Software Development | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test & Evaluation | | Air to Air Refueling Testing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Testing | | Fatigue Testing (Second / Third Lifetime) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Technical Evaluation | | Air to Air Refueling Analysis &Initial Fielding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | Fatigue Analysis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Production Milestones | | | | | | FRP | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deliveries | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LRIP/FRP Aircraft (APN) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FRP 1 | 4 | 4 | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | FRP 2 | | | 2 | 4 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FRP 3 | | | | | 3 | 4 | 4 | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| | FRP 4 | | | | | | | | | 1 | 4 | 2 | 3 | 1 | | | | | | | | | | | | | | | | | | | |
| | FRP 5 | | | | | | | | | | | | | 2 | 3 | 2 | | | | | | | | | | | | | | | | | |
| | FRP 6 | | | | | | | | | | | | | | | 3 | 2 | 3 | 3 | 2 | | | | | | | | | | | | | |
| | FRP 7 | | | | | | | | | | | | | | | | | | | | 3 | 1 | 2 | 3 | | | | | | | | | |

2019PB - 0605500N - 2696

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Exhibit R-4A, RDT&E Schedule Details: PB 2019 Navy

Date: February 2018

Appropriation/Budget Activity

1319 / 5

R-1 Program Element (Number/Name)

PE 0605500N / Multi-mssn Maritime Aircraft
(MMA) (P-8A)

Project (Number/Name)

2696 / Multi-Mission Maritime Aircraft

Schedule Details

| Events by Sub Project | Start | | End | |
|---|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| Multi-Mission Maritime Aircraft | | | | |
| Systems Development: Hardware/Software Development: Air to Air Refueling | 1 | 2017 | 2 | 2017 |
| Test & Evaluation: Testing: Air to Air Refueling Testing | 1 | 2017 | 2 | 2017 |
| Test & Evaluation: Testing: Fatigue Testing (Second / Third Lifetime) | 1 | 2017 | 4 | 2017 |
| Test & Evaluation: Technical Evaluation: Air to Air Refueling Analysis & Initial Fielding | 1 | 2017 | 4 | 2017 |
| Test & Evaluation: Technical Evaluation: Fatigue Analysis | 4 | 2017 | 4 | 2019 |
| Production Milestones: Full Rate Production (FRP) | 1 | 2017 | 4 | 2021 |
| Deliveries: FRP 1: FRP Aircraft (APN) Q1 2017 | 1 | 2017 | 1 | 2017 |
| Deliveries: FRP 1: FRP Aircraft (APN) Q2 2017 | 2 | 2017 | 2 | 2017 |
| Deliveries: FRP 1: FRP Aircraft (APN) Q3 2017 | 3 | 2017 | 3 | 2017 |
| Deliveries: FRP 1: FRP Aircraft (APN) Q2 2019 | 2 | 2019 | 2 | 2019 |
| Deliveries: FRP 2: FRP Aircraft (APN) Q3 2017 | 3 | 2017 | 3 | 2017 |
| Deliveries: FRP 2: FRP Aircraft (APN) Q4 2017 | 4 | 2017 | 4 | 2017 |
| Deliveries: FRP 2: FRP Aircraft (APN) Q1 2018 | 1 | 2018 | 1 | 2018 |
| Deliveries: FRP 3: FRP Aircraft (APN) Q2 2018 | 2 | 2018 | 2 | 2018 |
| Deliveries: FRP 3: FRP Aircraft (APN) Q3 2018 | 3 | 2018 | 3 | 2018 |
| Deliveries: FRP 3: FRP Aircraft (APN) Q4 2018 | 4 | 2018 | 4 | 2018 |
| Deliveries: FRP 3: FRP Aircraft (APN) Q1 2019 | 1 | 2019 | 1 | 2019 |
| Deliveries: FRP 4: FRP Aircraft (APN) Q2 2019 | 2 | 2019 | 2 | 2019 |
| Deliveries: FRP 4: FRP Aircraft (APN) Q3 2019 | 3 | 2019 | 3 | 2019 |
| Deliveries: FRP 4: FRP Aircraft (APN) Q4 2019 | 4 | 2019 | 4 | 2019 |
| Deliveries: FRP 4: FRP Aircraft (APN) Q1 2020 | 1 | 2020 | 1 | 2020 |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2019 Navy | | | Date: February 2018 | | |
| Appropriation/Budget Activity 1319 / 5 | | R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A) | | Project (Number/Name) 2696 / Multi-Mission Maritime Aircraft | |
| | | Start | | End | |
| Events by Sub Project | | Quarter | Year | Quarter | Year |
| Deliveries: FRP 4: FRP Aircraft (APN) Q2 2020 | | 2 | 2020 | 2 | 2020 |
| Deliveries: FRP 5: FRP Aircraft (APN) Q2 2020 | | 2 | 2020 | 2 | 2020 |
| Deliveries: FRP 5: FRP Aircraft (APN) Q3 2020 | | 3 | 2020 | 3 | 2020 |
| Deliveries: FRP 5: FRP Aircraft (APN) Q4 2020 | | 4 | 2020 | 4 | 2020 |
| Deliveries: FRP 6: FRP Aircraft (APN) Q4 2020 | | 4 | 2020 | 4 | 2020 |
| Deliveries: FRP 6: FRP Aircraft (APN) Q1 2021 | | 1 | 2021 | 1 | 2021 |
| Deliveries: FRP 6: FRP Aircraft (APN) Q2 2021 | | 2 | 2021 | 2 | 2021 |
| Deliveries: FRP 6: FRP Aircraft (APN) Q3 2021 | | 3 | 2021 | 3 | 2021 |
| Deliveries: FRP 7: FRP Aircraft (APN) Q4 2021 | | 4 | 2021 | 4 | 2021 |
| Deliveries: FRP 7: FRP Aircraft (APN) Q1 2022 | | 1 | 2022 | 1 | 2022 |
| Deliveries: FRP 7: FRP Aircraft (APN) Q2 2022 | | 2 | 2022 | 2 | 2022 |
| Deliveries: FRP 7: FRP Aircraft (APN) Q3 2022 | | 3 | 2022 | 3 | 2022 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy | | | | | | | | | | Date: February 2018 | | |
| Appropriation/Budget Activity 1319 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A) | | | | Project (Number/Name) 3368 / P-8 Improvements | | | |
| COST (\$ in Millions) | Prior Years | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total | FY 2020 | FY 2021 | FY 2022 | FY 2023 | Cost To Complete | Total Cost |
| 3368: P-8 Improvements | 1.491 | 1.996 | 2.800 | 29.830 | - | 29.830 | 10.183 | 10.381 | 10.575 | 10.767 | Continuing | Continuing |
| Quantity of RDT&E Articles | | - | - | - | - | - | - | - | - | - | | |
| A. Mission Description and Budget Item Justification | | | | | | | | | | | | |
| The P-8A Multi-mission Maritime Aircraft (MMA) program also includes a sequence of Rapid Capability Insertions (RCI) and rapid development efforts to respond to evolving threats which will retain cost-wise effectiveness for winning major combat operations. In order to pace the threat, these efforts will incorporate incremental software and hardware improvements to existing sensors, communications systems, mission systems, weapons capabilities and Tactical Operations Center (TOC)/TACMobile to build on the P-8A capability baseline. These capabilities, and other emergent capability requirements, will be prioritized either through the Navy Integration and Interoperability (I&I)-aligned Capability Prioritization Process (CPP), P-8A Tier 3 Capability Roadmap and/or through an Urgent Operational Need. The CPP process will be supported by detailed analysis and the maturation of developing technologies. | | | | | | | | | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | | | | | | | | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total |
| Title: Perform technology demonstrations and analyses of proposed new capabilities Articles: | | | | | | | | 0.984 | 2.172 | 29.026 | 0.000 | 29.026 |
| | | | | | | | | - | - | - | - | - |
| FY 2018 Plans: Develop Rapid Capability Insertions to incrementally incorporate software and hardware improvements to build on the existing P-8A Capability Baseline | | | | | | | | | | | | |
| FY 2019 Base Plans: Develop Rapid Capability Insertions to incrementally incorporate software and hardware improvements to build on the existing P-8A Capability Baseline. Begin full scale development and integration of Airborne Weapons Simulator (AWS) capability and RCI-4 to include MAC/Non-Acoustic enhancements and Theatre ASW interoperability improvements. | | | | | | | | | | | | |
| FY 2019 OCO Plans: N/A | | | | | | | | | | | | |
| FY 2018 to FY 2019 Increase/Decrease Statement: FY2019 increase of \$26.854M funds the Airborne Weapons Simulator(AWS). AWS enables increased crew weapons proficiency thus decreasing future weapons training costs. | | | | | | | | | | | | |
| Title: Conduct technical, cost, risk and logistics analysis of proposed technologies Articles: | | | | | | | | 1.012 | 0.628 | 0.804 | 0.000 | 0.804 |
| | | | | | | | | - | - | - | - | - |

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| Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy | | | Date: February 2018 | | | |
| Appropriation/Budget Activity 1319 / 5 | | R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A) | | Project (Number/Name) 3368 / P-8 Improvements | | |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) | | | | | | |
| | | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total |
| <p><i>FY 2018 Plans:</i> Conduct technical, cost, risk and logistics analysis of proposed technologies. Evaluate system requirements through cost/performance trade-off analysis. Provide technical and management support for the development of acquisition documentation. Provide engineering and management of technical development effort. Increase in government led prototyping.</p> <p><i>FY 2019 Base Plans:</i> Conduct technical, cost, risk and logistics analysis of proposed technologies. Evaluate system requirements through cost/performance trade-off analysis. Provide technical and management support for the development of acquisition documentation. Provide engineering and management of technical development effort. Increase in government led prototyping. Begin full scale development and integration of Airborne Weapons Simulation (AWS) capability and RCI-4 to include MAC/Non-Acoustic enhancements and Theatre ASW interoperability improvements.</p> <p><i>FY 2019 OCO Plans:</i> N/A</p> <p><i>FY 2018 to FY 2019 Increase/Decrease Statement:</i> FY2019 increase is due planned government led development and prototyping efforts supporting the Airborne Weapons Simulator (AWS).</p> | | | | | | |
| Accomplishments/Planned Programs Subtotals | | 1.996 | 2.800 | 29.830 | 0.000 | 29.830 |
| C. Other Program Funding Summary (\$ in Millions) | | | | | | |
| N/A | | | | | | |
| Remarks | | | | | | |
| D. Acquisition Strategy | | | | | | |
| <p>The P-8A Multi-mission Maritime Aircraft (MMA) program also includes a sequence of Rapid Capability Insertions (RCI) and rapid development efforts to respond to evolving threats which will retain cost-wise effectiveness for winning major combat operations beyond 2020. In order to pace the threat, these efforts will incorporate incremental software and hardware improvements to existing sensors, communications systems, mission systems, weapons capabilities and Tactical Operations Center (TOC) to build on the P-8A capability baseline. These capabilities, and other emergent capability requirements, will be prioritized through the Navy Integration and Interoperability (I&I)-aligned Capability Prioritization Process (CPP), P-8A Tier 3 Capability Roadmap and/or through an Urgent Operational Need. The CPP process will be supported by detailed analysis and the maturation of developing technologies.</p> | | | | | | |

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| Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy | | Date: February 2018 |
| Appropriation/Budget Activity 1319 / 5 | R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A) | Project (Number/Name) 3368 / P-8 Improvements |

| |
|--|
| E. Performance Metrics Complete ABA prototyping on capabilities beyond Increment 3 (PE 0605504N). |
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|--|------------------------|--------------------------------|-------------|---------|------------|--|------------|--------------|------------|--|------------|---------------------|------------------|------------|--------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Navy | | | | | | | | | | | | Date: February 2018 | | | |
| Appropriation/Budget Activity 1319 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A) | | | | Project (Number/Name) 3368 / P-8 Improvements | | | | | |
| Product Development (\$ in Millions) | | | | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Primary HW Dev - P-8 Improvements | Various | Various : Various | 0.000 | 0.474 | Nov 2016 | 0.182 | Nov 2017 | 0.244 | Nov 2018 | - | | 0.244 | 1.027 | 1.927 | - |
| Primary HW/SW Dev - RCI Theatre ASW/Prototyping | C/CPFF | CTI : California, MD | 0.264 | 0.314 | Feb 2017 | 1.300 | Feb 2018 | 2.716 | Feb 2019 | - | | 2.716 | 11.459 | 16.053 | 16.053 |
| Primary HW Dev - RCI/ Airborne Weapons Simulator | C/CPFF | Boeing : Seattle, WA | 0.000 | 0.000 | | 0.000 | | 23.100 | Jun 2019 | - | | 23.100 | 11.583 | 34.683 | 34.683 |
| Primary SW Dev - RCI | TBD | TBD : TBD | 0.000 | 0.000 | | 0.000 | | 0.653 | Jun 2019 | - | | 0.653 | 2.325 | 2.978 | - |
| Sys Eng - Gov | WR | NAWCAD : Pax River, MD | 0.210 | 0.196 | Nov 2016 | 0.690 | Nov 2017 | 2.313 | Nov 2018 | - | | 2.313 | Continuing | Continuing | Continuing |
| Subtotal | | | 0.474 | 0.984 | | 2.172 | | 29.026 | | - | | 29.026 | Continuing | Continuing | N/A |
| Remarks The FY2019 funding request was reduced by \$0.004 million to account for the availability of prior year execution balances. | | | | | | | | | | | | | | | |
| Management Services (\$ in Millions) | | | | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Eng Tech Serv (NON-FFRDC) | C/CPFF | Sabre, Inc : Warrington, PA | 0.297 | 0.189 | Nov 2016 | 0.284 | Nov 2017 | 0.320 | Nov 2018 | - | | 0.320 | 1.281 | 2.371 | 2.371 |
| Mgmt Support Serv | C/CPFF | RBC : Alexandria, VA | 0.000 | 0.451 | Nov 2016 | 0.118 | Nov 2017 | 0.153 | Nov 2018 | - | | 0.153 | 0.712 | 1.434 | 1.434 |
| Program Mgmt Support | WR | NAWCAD : Pax River, MD | 0.720 | 0.372 | Nov 2016 | 0.226 | Nov 2017 | 0.331 | Nov 2018 | - | | 0.331 | Continuing | Continuing | Continuing |
| Subtotal | | | 1.017 | 1.012 | | 0.628 | | 0.804 | | - | | 0.804 | Continuing | Continuing | N/A |
| | | | Prior Years | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | 1.491 | 1.996 | | 2.800 | | 29.830 | | - | | 29.830 | Continuing | Continuing | N/A |
| Remarks | | | | | | | | | | | | | | | |

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PE 0605500N: *Multi-mssn Maritime Aircraft (MMA) (P-8A...*
Navy

R-1 Line #171

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2019OSD - 0605500N - 3368

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| Exhibit R-4A, RDT&E Schedule Details: PB 2019 Navy | | | Date: February 2018 |
| Appropriation/Budget Activity 1319 / 5 | R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i> | Project (Number/Name) 3368 / <i>P-8 Improvements</i> | |

Schedule Details

| Events by Sub Project | Start | | End | |
|--|----------------|-------------|----------------|-------------|
| | Quarter | Year | Quarter | Year |
| <i>P-8 Improvements</i> | | | | |
| Systems Development: Rapid Capability Insertion: RCI Prototyping | 1 | 2017 | 4 | 2023 |
| Systems Development: AWS / RCI-4 / MAC and Non-Acoustic Enhancements: Contract Awards | 3 | 2019 | 3 | 2019 |
| Systems Development: AWS / RCI-4 / MAC and Non-Acoustic Enhancements: AWS / RCI-4 / MAC and Non-Acoustic Processing Improvements | 1 | 2019 | 4 | 2023 |
| Systems Development: RCI-4 / Theatre ASW Interoperability Improvements: Contract Award | 2 | 2019 | 2 | 2019 |
| Systems Development: RCI-4 / Theatre ASW Interoperability Improvements: RCI-4 / Theatre ASW Interoperability Improvements | 1 | 2019 | 4 | 2023 |

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|---|--------------------|----------------|----------------|---------------------|--|----------------------|----------------|----------------|--|----------------------------|-------------------------|-------------------|--|----------------|----------------|--|-------|-------|--|--|--|----------------------------------|--|--|-------------------------------------|-------|-------|
| Exhibit R-2A, RDT&E Project Justification: PB 2019 Navy | | | | | | | | | | Date: February 2018 | | | | | | | | | | | | | | | | | |
| Appropriation/Budget Activity 1319 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i> | | | | Project (Number/Name) 9999 / <i>Congressional Adds</i> | | | | | | | | | | | | | | | | | | |
| COST (\$ in Millions) | Prior Years | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total | FY 2020 | FY 2021 | FY 2022 | FY 2023 | Cost To Complete | Total Cost | | | | | | | | | | | | | | | |
| 9999: <i>Congressional Adds</i> | 79.441 | 9.672 | 0.000 | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 89.113 | | | | | | | | | | | | | | | |
| Quantity of RDT&E Articles | | - | - | - | - | - | - | - | - | - | | | | | | | | | | | | | | | | | |
| A. Mission Description and Budget Item Justification Congressional Add. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) <table border="1" style="float: right; margin-top: 10px;"> <tr> <td></td> <td>FY 2017</td> <td>FY 2018</td> </tr> <tr> <td><i>Congressional Add:</i> Small Business Technology Insertion</td> <td align="right">9.672</td> <td align="right">0.000</td> </tr> <tr> <td><i>FY 2017 Accomplishments:</i> N/A</td> <td></td> <td></td> </tr> <tr> <td><i>FY 2018 Plans:</i> N/A</td> <td></td> <td></td> </tr> <tr> <td align="right">Congressional Adds Subtotals</td> <td align="right">9.672</td> <td align="right">0.000</td> </tr> </table> | | | | | | | | | | | | | | FY 2017 | FY 2018 | <i>Congressional Add:</i> Small Business Technology Insertion | 9.672 | 0.000 | <i>FY 2017 Accomplishments:</i> N/A | | | <i>FY 2018 Plans:</i> N/A | | | Congressional Adds Subtotals | 9.672 | 0.000 |
| | FY 2017 | FY 2018 | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>Congressional Add:</i> Small Business Technology Insertion | 9.672 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>FY 2017 Accomplishments:</i> N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>FY 2018 Plans:</i> N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Congressional Adds Subtotals | 9.672 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | |
| C. Other Program Funding Summary (\$ in Millions) N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remarks | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D. Acquisition Strategy Not required for Congressional Adds. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E. Performance Metrics Not required for Congressional Adds. | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Navy | | | | | | | | | | | | Date: February 2018 | | | |
|--|------------------------|--------------------------------|-------------|---------|------------|--|------------|--------------|------------|--|------------|---------------------|------------------|------------|--------------------------|
| Appropriation/Budget Activity 1319 / 5 | | | | | | R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A) | | | | Project (Number/Name) 9999 / Congressional Adds | | | | | |
| Product Development (\$ in Millions) | | | | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Primary HW Dev - NAWCAD | WR | NAWC AD : Patuxent River, MD | 1.216 | 0.030 | Sep 2017 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 1.246 | - |
| Primary HW Dev - Progeny | C/CPFF | PROGENY : Manassas, VA | 38.853 | 9.100 | Sep 2017 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 47.953 | 47.953 |
| Primary HW Dev - SBIR - Various | Various | Various : Various | 31.252 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 31.252 | - |
| Primary HD Dev - Prototyping - Various | Various | Various : Various | 0.000 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.000 | - |
| Primary HD Dev - Sensor Development | Various | Various : Various | 4.800 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 4.800 | - |
| Subtotal | | | 76.121 | 9.130 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 85.251 | N/A |
| Management Services (\$ in Millions) | | | | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To Complete | Total Cost | Target Value of Contract |
| Engineering Services | WR | NAWC AD : Paxtuxent River, MD | 0.458 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.458 | - |
| Mgmt Suppt Serv (NONFFRDC) | C/CPFF | RBC INC : Alexandria, VA | 2.862 | 0.542 | Sep 2017 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 3.404 | 3.404 |
| Subtotal | | | 3.320 | 0.542 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 3.862 | N/A |
| | | | Prior Years | FY 2017 | | FY 2018 | | FY 2019 Base | | FY 2019 OCO | | FY 2019 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals | | | 79.441 | 9.672 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 89.113 | N/A |
| Remarks | | | | | | | | | | | | | | | |

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| Exhibit R-4, RDT&E Schedule Profile: PB 2019 Navy | | | | | | | | | | Date: February 2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Appropriation/Budget Activity 1319 / 5 | | | | | | | | | | R-1 Program Element (Number/Name) PE 0605500N / Multi-mssn Maritime Aircraft (MMA) (P-8A) | | | | | | | | | | Project (Number/Name) 9999 / Congressional Adds | | | | | | | | | | | | | | | | | |
| Proj 9999 | | | | | | | | | | FY 2017 | | | | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | |
| | | | | | | | | | | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q |
| Small Business Technology Insertion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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UNCLASSIFIED

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|---|--|--|----------------------------|
| Exhibit R-4A, RDT&E Schedule Details: PB 2019 Navy | | | Date: February 2018 |
| Appropriation/Budget Activity 1319 / 5 | R-1 Program Element (Number/Name) PE 0605500N / <i>Multi-mssn Maritime Aircraft (MMA) (P-8A)</i> | Project (Number/Name) 9999 / <i>Congressional Adds</i> | |

Schedule Details

| Events by Sub Project | Start | | End | |
|--|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| <i>Proj 9999</i> | | | | |
| Small Business Technology Insertion: Schedule Detail | 1 | 2017 | 4 | 2017 |