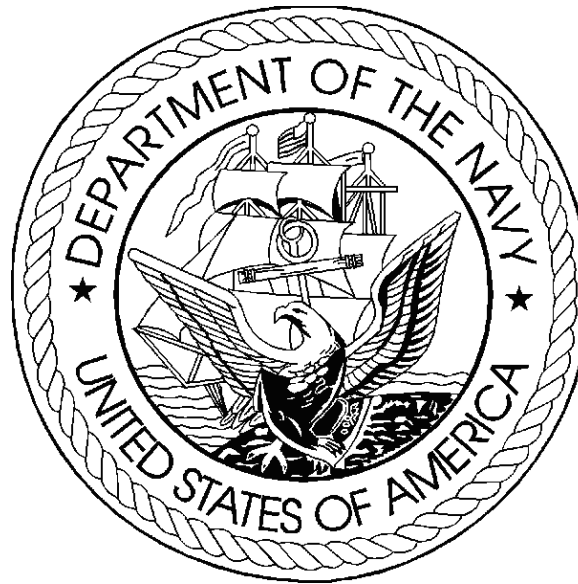


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**Department of Defense
Fiscal Year (FY) 2016 President's Budget Submission**

February 2015



Navy

Justification Book Volume 1 of 2

Procurement of Ammo, Navy & MC

Budget Activity 01

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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

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Department of Defense Appropriations Act, 2016

Procurement of Ammunition, Navy and Marine Corps

For construction, procurement, production, and modification of ammunition, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities, authorized by section 2854 of title 10, United States Code, and the land necessary therefor, for the foregoing purposes, 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; and other expenses necessary for the foregoing purposes, \$860,671,000, to remain available for obligation until September 30, 2018.

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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 -----	FY 2014 (Base & OCO) -----	FY 2015 Base Enacted -----	FY 2015 OCO Enacted -----	FY 2015 Total Enacted -----
Procurement of Ammo, Navy & MC	719,042	674,100	154,519	828,619
Total Department of the Navy	719,042	674,100	154,519	828,619

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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 -----	FY 2016 Base -----	FY 2016 OCO -----	FY 2016 Total -----
Procurement of Ammo, Navy & MC	723,741	136,930	860,671
Total Department of the Navy	723,741	136,930	860,671

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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: Procurement of Ammo, Navy & MC

Budget Activity -----	FY 2014 (Base & OCO) -----	FY 2015 Base Enacted -----	FY 2015 OCO Enacted -----	FY 2015 Total Enacted -----
01. Proc Ammo, Navy	557,568	562,435	62,464	624,899
02. Proc Ammo, MC	161,474	111,665	92,055	203,720
Total Procurement of Ammo, Navy & MC	719,042	674,100	154,519	828,619

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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: Procurement of Ammo, Navy & MC

Budget Activity -----	FY 2016 Base -----	FY 2016 OCO -----	FY 2016 Total -----
01. Proc Ammo, Navy	538,212	51,201	589,413
02. Proc Ammo, MC	185,529	85,729	271,258
Total Procurement of Ammo, Navy & MC	723,741	136,930	860,671

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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: 1508N Procurement of Ammo, Navy & MC

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO) Quantity Cost	FY 2015 Base Enacted Quantity Cost	FY 2015 OCO Enacted Quantity Cost	FY 2015 Total Enacted Quantity Cost	S e c
-----	-----	-----	-----	-----	-----	-----	-
Budget Activity 01: Proc Ammo, Navy							

Navy Ammunition							
1	General Purpose Bombs	A	49,127	79,347	7,596	86,943	U
2	Airborne Rockets, All Types	A	95,743	67,416	8,862	76,278	U
3	Machine Gun Ammunition	A	28,566	20,284	3,473	23,757	U
4	Practice Bombs	A	31,473	26,701		26,701	U
5	Cartridges & Cart Actuated Devices	A	53,764	50,866		50,866	U
6	Air Expendable Countermeasures	A	98,078	59,294	29,376	88,670	U
7	JATOS	A	2,749				U
8	LRLAP 6" Long Range Attack Projectile	A	4,687	113,092		113,092	U
9	5 Inch/54 Gun Ammunition	A	21,726	35,702		35,702	U
10	Intermediate Caliber Gun Ammunition	A	32,299	2,133		2,133	U
11	Other Ship Gun Ammunition	A	40,807	43,906	3,919	47,825	U
12	Small Arms & Landing Party Ammo	A	73,195	50,535	3,561	54,096	U
13	Pyrotechnic and Demolition	A	13,084	11,652	2,913	14,565	U
14	Ammunition Less Than \$5 Million	A	12,270	1,507	2,764	4,271	U
Total Proc Ammo, Navy			557,568	562,435	62,464	624,899	

Budget Activity 02: Proc Ammo, MC

Marine Corps Ammunition

15	Small Arms Ammunition		28,254	31,708	9,475	41,183	U
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P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:30:17

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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: 1508N Procurement of Ammo, Navy & MC

Line No	Item Nomenclature	Ident Code	FY 2016 Base Quantity	Cost	FY 2016 OCO Quantity	Cost	FY 2016 Total Quantity	Cost	S e c
-----	-----	-----	-----	-----	-----	-----	-----	-----	-
Budget Activity 01: Proc Ammo, Navy									

Navy Ammunition									
1	General Purpose Bombs	A	101,238		9,715		110,953		U
2	Airborne Rockets, All Types	A	67,289		11,108		78,397		U
3	Machine Gun Ammunition	A	20,340		3,603		23,943		U
4	Practice Bombs	A	40,365				40,365		U
5	Cartridges & Cart Actuated Devices	A	49,377				49,377		U
6	Air Expendable Countermeasures	A	59,651		11,982		71,633		U
7	JATOS	A	2,806				2,806		U
8	LRLAP 6" Long Range Attack Projectile	A	11,596				11,596		U
9	5 Inch/54 Gun Ammunition	A	35,994				35,994		U
10	Intermediate Caliber Gun Ammunition	A	36,715				36,715		U
11	Other Ship Gun Ammunition	A	45,483		4,674		50,157		U
12	Small Arms & Landing Party Ammo	A	52,080		3,456		55,536		U
13	Pyrotechnic and Demolition	A	10,809		1,989		12,798		U
14	Ammunition Less Than \$5 Million	A	4,469		4,674		9,143		U
			-----		-----		-----		
Total Proc Ammo, Navy			538,212		51,201		589,413		

Budget Activity 02: Proc Ammo, MC

Marine Corps Ammunition

15	Small Arms Ammunition		46,848				46,848		U
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P-1C1: FY 2016 President's Budget (Published Version of PB Position), as of January 9, 2015 at 15:30:17

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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: 1508N Procurement of Ammo, Navy & MC

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO) Quantity Cost	FY 2015 Base Enacted Quantity Cost	FY 2015 OCO Enacted Quantity Cost	FY 2015 Total Enacted Quantity Cost	S e c
-----	-----	-----	-----	-----	-----	-----	-
16	Linear Charges, All Types	A	9,398	692	8,843	9,535	U
17	40 Mm, All Types	A	13,138	6,965	7,098	14,063	U
18	60mm, All Types	A	8,017	2,261	5,935	8,196	U
19	81mm, All Types	A	9,202	1,496	9,318	10,814	U
20	120mm, All Types	A	27,027	12,155	6,921	19,076	U
21	Ctg 25mm, All Types	A	1,887				U
22	Grenades, All Types	A	4,510	3,000	3,218	6,218	U
23	Rockets, All Types	A		12,853	7,642	20,495	U
24	Artillery, All Types	A	1,035	12,068	30,289	42,357	U
25	Demolition Munitions, All Types	A	418		1,255	1,255	U
26	Fuze, All Types	A	39,575	4,972	2,061	7,033	U
27	Non Lethals	B		998		998	U
28	Ammo Modernization	A	8,328	11,319		11,319	U
29	Items Less Than \$5 Million	A	10,685	11,178		11,178	U
			-----	-----	-----	-----	
	Total Proc Ammo, MC		161,474	111,665	92,055	203,720	
			-----	-----	-----	-----	
	Total Procurement of Ammo, Navy & MC		719,042	674,100	154,519	828,619	

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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: 1508N Procurement of Ammo, Navy & MC

Line No	Item Nomenclature	Ident Code	FY 2016 Base Quantity	Cost	FY 2016 OCO Quantity	Cost	FY 2016 Total Quantity	Cost	S e c
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
16	Linear Charges, All Types	A		350				350	U
17	40 Mm, All Types	A		500				500	U
18	60mm, All Types	A		1,849				1,849	U
19	81mm, All Types	A		1,000				1,000	U
20	120mm, All Types	A		13,867		10,719		24,586	U
21	Ctg 25mm, All Types	A							U
22	Grenades, All Types	A		1,390				1,390	U
23	Rockets, All Types	A		14,967		3,993		18,960	U
24	Artillery, All Types	A		45,219		67,200		112,419	U
25	Demolition Munitions, All Types	A				518		518	U
26	Fuze, All Types	A		29,335		3,299		32,634	U
27	Non Lethals	B		3,868				3,868	U
28	Ammo Modernization	A		15,117				15,117	U
29	Items Less Than \$5 Million	A		11,219				11,219	U
				-----		-----		-----	
	Total Proc Ammo, MC			185,529		85,729		271,258	
				-----		-----		-----	
	Total Procurement of Ammo, Navy & MC			723,741		136,930		860,671	

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Master Line Item Table of Contents (by Appropriation then Line Number)

Appropriation 1508N: Procurement of Ammo, Navy & MC

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2	01	01	0151	Airborne Rockets, All Types.....	Volume 1 - 21
3	01	01	0155	Machine Gun Ammunition.....	Volume 1 - 39
4	01	01	0160	Practice Bombs.....	Volume 1 - 49
5	01	01	0180	Cartridge Actuated Devices/Propellant Act Devices.....	Volume 1 - 61
6	01	01	0182	Air Expendable Countermeasures.....	Volume 1 - 75
7	01	01	0194	Jet Assisted Take Off (JATOs).....	Volume 1 - 107
8	01	01	0198	LRLAP 6 inch Long Range Attack Projectile.....	Volume 1 - 117
9	01	01	0250	5 Inch/54 Gun Ammunition.....	Volume 1 - 125
10	01	01	0266	Intermediate Caliber Gun Ammo.....	Volume 1 - 137
11	01	01	0270	Other Ship Gun Ammunition.....	Volume 1 - 147
12	01	01	0335	Small Arms & Lndg Party Ammo.....	Volume 1 - 171
13	01	01	0340	Pyrotechnic and Demolition.....	Volume 1 - 207
14	01	01	0400	Ammunition less than \$5 million.....	Volume 1 - 225

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Appropriation 1508N: Procurement of Ammo, Navy & MC

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16	02	01	1030	Linear Charges, All Types.....	Volume 2 - 17
17	02	01	1050	40 MM, All Types.....	Volume 2 - 23
18	02	01	1083	60 MM, All Types.....	Volume 2 - 33
19	02	01	1091	81 MM, All Types.....	Volume 2 - 41
20	02	01	1121	120 MM, All Types.....	Volume 2 - 51
21	02	01	1388	CTG 25 MM, All Types.....	Volume 2 - 61
22	02	01	1468	Grenades, All Types.....	Volume 2 - 65
23	02	01	1471	Rockets, All Types.....	Volume 2 - 83
24	02	01	1473	Artillery, All Types.....	Volume 2 - 93
25	02	01	1500	Demolition Munitions, All Types.....	Volume 2 - 113
26	02	01	1625	Fuze, All Types.....	Volume 2 - 119
27	02	01	1628	Non Lethals.....	Volume 2 - 129
28	02	01	1630	Ammo Modernization.....	Volume 2 - 135
29	02	01	1660	Items less than \$5 million.....	Volume 2 - 139

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120 MM, All Types	1121	20	02	01.....	Volume 2 - 51
40 MM, All Types	1050	17	02	01.....	Volume 2 - 23
5 Inch/54 Gun Ammunition	0250	9	01	01.....	Volume 1 - 125
60 MM, All Types	1083	18	02	01.....	Volume 2 - 33
81 MM, All Types	1091	19	02	01.....	Volume 2 - 41
Air Expendable Countermeasures	0182	6	01	01.....	Volume 1 - 75
Airborne Rockets, All Types	0151	2	01	01.....	Volume 1 - 21
Ammo Modernization	1630	28	02	01.....	Volume 2 - 135
Ammunition less than \$5 million	0400	14	01	01.....	Volume 1 - 225
Artillery, All Types	1473	24	02	01.....	Volume 2 - 93
CTG 25 MM, All Types	1388	21	02	01.....	Volume 2 - 61
Cartridge Actuated Devices/Propellant Act Devices	0180	5	01	01.....	Volume 1 - 61
Demolition Munitions, All Types	1500	25	02	01.....	Volume 2 - 113
Fuze, All Types	1625	26	02	01.....	Volume 2 - 119
General Purpose Bombs	0145	1	01	01.....	Volume 1 - 1
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Intermediate Caliber Gun Ammo	0266	10	01	01.....	Volume 1 - 137

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Line Item Title	Line Item Number	Line #	BA	BSA	Page
Items less than \$5 million	1660	29	02	01.....	Volume 2 - 139
Jet Assisted Take Off (JATOs)	0194	7	01	01.....	Volume 1 - 107
LRLAP 6 inch Long Range Attack Projectile	0198	8	01	01.....	Volume 1 - 117
Linear Charges, All Types	1030	16	02	01.....	Volume 2 - 17
Machine Gun Ammunition	0155	3	01	01.....	Volume 1 - 39
Non Lethals	1628	27	02	01.....	Volume 2 - 129
Other Ship Gun Ammunition	0270	11	01	01.....	Volume 1 - 147
Practice Bombs	0160	4	01	01.....	Volume 1 - 49
Pyrotechnic and Demolition	0340	13	01	01.....	Volume 1 - 207
Rockets, All Types	1471	23	02	01.....	Volume 2 - 83
Small Arms & Lndg Party Ammo	0335	12	01	01.....	Volume 1 - 171
Small Arms Ammunition	1000	15	02	01.....	Volume 2 - 1

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2	01	01	0151	Airborne Rockets, All Types.....	Volume 1 - 21
3	01	01	0155	Machine Gun Ammunition.....	Volume 1 - 39
4	01	01	0160	Practice Bombs.....	Volume 1 - 49
5	01	01	0180	Cartridge Actuated Devices/Propellant Act Devices.....	Volume 1 - 61
6	01	01	0182	Air Expendable Countermeasures.....	Volume 1 - 75
7	01	01	0194	Jet Assisted Take Off (JATOs).....	Volume 1 - 107
8	01	01	0198	LRLAP 6 inch Long Range Attack Projectile.....	Volume 1 - 117
9	01	01	0250	5 Inch/54 Gun Ammunition.....	Volume 1 - 125
10	01	01	0266	Intermediate Caliber Gun Ammo.....	Volume 1 - 137
11	01	01	0270	Other Ship Gun Ammunition.....	Volume 1 - 147
12	01	01	0335	Small Arms & Lndg Party Ammo.....	Volume 1 - 171
13	01	01	0340	Pyrotechnic and Demolition.....	Volume 1 - 207
14	01	01	0400	Ammunition less than \$5 million.....	Volume 1 - 225

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Navy • President's Budget Submission FY 2016 • Procurement

Line Item Table of Contents (Alphabetically by Line Item Title)

Line Item Title	Line Item Number	Line #	BA	BSA	Page
5 Inch/54 Gun Ammunition	0250	9	01	01.....	Volume 1 - 125
Air Expendable Countermeasures	0182	6	01	01.....	Volume 1 - 75
Airborne Rockets, All Types	0151	2	01	01.....	Volume 1 - 21
Ammunition less than \$5 million	0400	14	01	01.....	Volume 1 - 225
Cartridge Actuated Devices/Propellant Act Devices	0180	5	01	01.....	Volume 1 - 61
General Purpose Bombs	0145	1	01	01.....	Volume 1 - 1
Intermediate Caliber Gun Ammo	0266	10	01	01.....	Volume 1 - 137
Jet Assisted Take Off (JATOs)	0194	7	01	01.....	Volume 1 - 107
LRLAP 6 inch Long Range Attack Projectile	0198	8	01	01.....	Volume 1 - 117
Machine Gun Ammunition	0155	3	01	01.....	Volume 1 - 39
Other Ship Gun Ammunition	0270	11	01	01.....	Volume 1 - 147
Practice Bombs	0160	4	01	01.....	Volume 1 - 49
Pyrotechnic and Demolition	0340	13	01	01.....	Volume 1 - 207
Small Arms & Lndg Party Ammo	0335	12	01	01.....	Volume 1 - 171

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition							P-1 Line Item Number / Title: 0145 / General Purpose Bombs					
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>)	1,975.263	49.127	86.943	101.238	9.715	110.953	100.525	93.905	95.350	89.559	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,975.263	49.127	86.943	101.238	9.715	110.953	100.525	93.905	95.350	89.559	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,975.263	49.127	86.943	101.238	9.715	110.953	100.525	93.905	95.350	89.559	Continuing	Continuing
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The General Purpose bombs program fulfills tactical fleet requirements to engage defined target sets through procurement and sustainment of High Explosive bombs and components. Funds procure on-going technology integration to optimize the production and capability of products within the Direct Attack Weapons (DAW) portfolio. Inventory levels fluctuate year to year based on changes to the Total Munitions Requirement (TMR) and inventory objective. Component acquisition is performed by Navy contracting via the Joint Munitions Command (JMC). [P5 / Q2191 BLU-111]: The BLU-111 is a 500 lb General Purpose Thermally Protected Bomb that is loaded with plastic bonded explosive (PBXN-109) to enhance its insensitive munitions performance. [P5 / Q2192 BLU-110]: The BLU-110 is a 1,000 lb General Purpose Thermally Protected Bomb that is loaded with plastic bonded explosive (PBXN-109) to enhance its insensitive munitions performance. [P5 / Q2199 BLU-109]: The BLU-109 Penetrator is a 2,000 lb Bomb that is loaded with plastic bonded explosive (PBXN-109) to enhance its insensitive munitions performance. [P5 / Q2197 Bombs Subcomponents]: This cost element procures bomb subcomponents including arming wires, adapters, lugs, nose plugs and other components required for All Up Round (AUR) configurations. [P5 / Q2200 Direct Attack Moving Target Capability (DAMTC)]: DAMTC is a capability, when combined with a Joint Direct Attack Munition (JDAM) converts the weapon it into a LASER JDAM. (The various components that comprise a JDAM are procured individually under this budget.) The LASER JDAM can prosecute stationary and maneuvering targets. GPS/INS provides an adverse weather capability against stationary targets and the laser sensor provides both GPS-denied capability and maneuvering target capability. Subsequent to initial delivery an Adjustable Proximity Sensor (APS) was added to the system to provide an airburst capability. DAMTC differs from other Laser Guided Bombs in that it was designed to address moving targets. [P5 / Q2181 Laser Guided Bombs CCG (Raytheon)]: Provides the capability to transform a general purpose bomb into a precision laser guided weapon. [P5 / Q2181 Laser Guided Bombs CCG (Lockheed)]: Provides the capability to transform a general purpose bomb into a precision laser guided weapon. [P5 / Q2186 Guided Bombs Tailkits]: Provides a guidance capability that converts unguided general purpose bombs into accurate precision guided weapons capable of attacking a wide range of stationary, moving and maneuvering targets. [P5 / Q2187 Laser Guided Bombs AFG (Raytheon)]: Provides guidance capability that convert general purpose bombs into accurate laser guided weapons.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition		P-1 Line Item Number / Title: 0145 / General Purpose Bombs
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
[P5 / Q2187 Laser Guided Bombs AFG (Lockheed)]: Provides guidance capability that convert general purpose bombs into accurate laser guided weapons. [P5 / Q2220 BLU-109 Laser Capability]: BLU-109 Laser capability modifies and modernizes the existing BLU-109 by implementing an existing Semi-Active Laser sensor on the BLU-109. [P5 / Q2895 BLU-109 Laser Capability Non Recurring]: Provides the non-recurring engineering required to modify the sensor interface with BLU-109 Laser Capability. The PLGS is a semi-active laser sensor that detects and characterizes laser designation angle of arrival and then sends this information to the guided bomb tailkit. This modification will enable the BLU-109 to take advantage of an already demonstrated capability on the F/A-18 for other classes of weapons. The NRE effort is required to modify, produce and certify the BLU-109 PLGS configuration. The certification will include verification and validation of the hardware to include: First Article Testing, Carrier Suitability, Captive carriage and Flight testing, Live Drops, Integrated Logistics Assessments, System Verification and Production Readiness Reviews. This modification will integrate the existing PLGS onto the BLU-109 via a new mechanical interface and will modify the existing attaching hardware to accommodate the larger diameter bomb. [P5 / Fuzes Cost]: Provides fuzes and fuzing systems for munitions. [P5 / Q2896 FUZE Non Recurring]: Provides the non-recurring engineering associated with FUZE capability. [P5 / Q2850 Product Improvement Program (PIP)]: Provides for modifications and upgrades to General Purpose bombs programs. Efforts include configuration changes involving production, engineering, manufacturing, installation and testing that increases system or combat effectiveness to extend the useful military life of an item, and/or to improve the item within the current performance envelope.		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition					P-1 Line Item Number / Title: 0145 / General Purpose Bombs			
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 (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / GP Bomb	P-5, P-5a, P-21		- / 1,975,263	- / 49,127	- / 86,943	- / 101,238	- / 9,715	- / 110,953
Total Gross/Weapon System Cost			- / 1,975,263	- / 49,127	- / 86,943	- / 101,238	- / 9,715	- / 110,953
*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 2016 baseline funding is required to meet Naval Munitions Requirements Process (NMRP) inventory requirements. The increase from FY 2015 to FY 2016 is for the Non Recurring Engineering (NRE) in support of the Laser capability requirements. This budget supports critical Navy Title 10 war reserve/operational, training and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and OPNAV INST 8011.9 (Navy Munitions Requirements Process). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces. Test requirements support the verification, fielding, safety and quality assurance of Navy weapons and equipment throughout their life cycle. Annual Non-Combat Expenditure Allowance (NCEA) prepares Naval Aviation units for deployment and is the largest cause of current and future General Purpose (GP) bombs procurement. NCEA utilization of GP bombs in support of Fleet readiness continues every year. Procurements are primarily designed to replenish the weapons used each year to achieve required readiness levels. Unlike procurement of capital assets, a large percentage of GP weapons are consumed in annual fleet training expenditures; thereby reducing the ability to simply adjust procurements a year in response to budget reductions. Barring a reduction in fleet training expenditures and the correlating readiness degradation, any reductions in GP bombs procurements in a given year will have to be made up with increased procurements in the out years to restore inventory to a level adequate to support NCEA and fleet readiness. OCO: FY 2016 Overseas Contingency Operations (OCO) funding is required to replenish components that were expended in direct support of combat operations. These operations were in support of Operation Enduring Freedom - Afghanistan between January 2013 and December 2013 and Operation Inherent Resolve between January 2014 and December 2014. The increase from FY 2015 OCO funding to FY 2016 is due to an increase in expenditures of the FMU-139. Additional funding was received for expenditures in support of Operation Inherent Resolve between January 2014 and September 2014.								

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0145 / General Purpose Bombs						Item Number / Title [DODIC]: 1 / GP Bomb						
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)				1,975.263		49.127		86.943		101.238		9.715		110.953				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				1,975.263		49.127		86.943		101.238		9.715		110.953				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				1,975.263		49.127		86.943		101.238		9.715		110.953				
(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)
Hardware - GP Bombs Cost																		
Recurring Cost																		
1.1.1) Q2191 BLU-111 ^(†) (1)	3,574.37	7,530	26.915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) Q2192 BLU-110 ⁽²⁾	11,488.55	131	1.505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) Q2199 BLU-109 ^(†) (3)	28,949.30	710	20.554	25,510.00	196	5.000	25,995.00	506	13.153	-	-	-	-	-	-	-	-	-
1.1.4) Q2197 Bombs Subcomponents	-	-	1.603	-	-	1.233	-	-	1.255	-	-	1.258	-	-	-	-	-	1.258
Subtotal: Recurring Cost	-	-	50.577	-	-	6.233	-	-	14.408	-	-	1.258	-	-	-	-	-	1.258
Subtotal: Hardware - GP Bombs Cost	-	-	50.577	-	-	6.233	-	-	14.408	-	-	1.258	-	-	-	-	-	1.258
Hardware - Guided Bombs Cost																		
Recurring Cost																		
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC) ^(†)	11,424.17	5,750	65.689	14,625.00	395	5.777	14,400.00	2,232	32.141	14,688.04	960	14.101	14,688.04	71	1.043	14,688.04	1,031	15.144
2.1.2) Q2181 Laser Guided Bombs CCG (Raytheon)	10,000.00	1,296	12.960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.3) Q2181 Laser Guided Bombs CCG (Lockheed)	-	-	19.440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0145 / General Purpose Bombs						Item Number / Title [DODIC]: 1 / GP Bomb						
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)
2.1.4) Q2186 Guided Bombs Tailkits ^(†) (4)	-	-	-	24,000.00	991	23.784	24,480.85	658	16.108	24,947.85	795	19.834	24,947.85	172	4.291	24,947.85	967	24.125
2.1.5) Q2187 Laser Guided Bombs AFG (Raytheon)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.6) Q2187 Laser Guided Bombs AFG (Lockheed)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.7) Q2220 BLU-109 Laser Capability	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	98.092	-	-	29.561	-	-	48.249	-	-	33.935	-	-	5.334	-	-	39.269
Non Recurring Cost																		
2.2.1) Q2895 BLU-109 Laser Capability Non Recurring ⁽⁵⁾	-	-	-	-	-	-	-	-	-	-	-	25.984	-	-	-	-	-	25.984
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	25.984	-	-	-	-	-	25.984
Subtotal: Hardware - Guided Bombs Cost	-	-	98.092	-	-	29.561	-	-	48.249	-	-	59.919	-	-	5.334	-	-	65.253
Hardware - Fuzes Cost Cost																		
Recurring Cost																		
3.1.1) Q2196 FMU-143 ^(†)	1,524.20	5,330	8.124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.2) Q2032 FMU-139 Electrical Fuze ^(†) (6)	1,072.71	41,866	44.910	2,400.00	1,844	4.426	2,351.00	1,078	2.534	2,398.02	3,678	8.820	2,398.02	1,827	4.381	2,398.02	5,505	13.201
3.1.3) Q2210 Hard Target Void Sensing Fuze ^(†) (7)	-	-	-	-	-	-	20,872.00	50	1.044	19,493.33	450	8.772	-	-	-	19,493.33	450	8.772
Subtotal: Recurring Cost	-	-	53.034	-	-	4.426	-	-	3.578	-	-	17.592	-	-	4.381	-	-	21.973
Non Recurring Cost																		
3.2.1) Q2896 FUZE Non Recurring ⁽⁸⁾	-	-	-	-	-	-	-	-	6.783	-	-	9.547	-	-	-	-	-	9.547
3.2.2) Q2861 Production Acceptance Test & Evaluation FUZE ⁽⁹⁾	-	-	-	-	-	-	-	-	-	-	-	3.363	-	-	-	-	-	3.363
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	6.783	-	-	12.910	-	-	-	-	-	12.910

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0145 / General Purpose Bombs						Item Number / Title [DODIC]: 1 / GP Bomb						
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: Hardware - Fuzes Cost Cost	-	-	53.034	-	-	4.426	-	-	10.361	-	-	30.502	-	-	4.381	-	-	34.883
Hardware - Acceptance Testing - Guided Bombs Cost																		
Recurring Cost																		
4.1.1) Q2860 Production Acceptance Test & Evaluation Guided Bombs	-	-	22.178	-	-	-	-	-	1.356	-	-	1.383	-	-	-	-	-	1.383
Subtotal: Recurring Cost	-	-	22.178	-	-	-	-	-	1.356	-	-	1.383	-	-	-	-	-	1.383
Subtotal: Hardware - Acceptance Testing - Guided Bombs Cost	-	-	22.178	-	-	-	-	-	1.356	-	-	1.383	-	-	-	-	-	1.383
Hardware - Prior Years Cost																		
Non Recurring Cost																		
5.1.1) Prior Years Cumulative Funding	-	-	1,679.690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	1,679.690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Prior Years Cost	-	-	1,679.690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Integrated Logistics Cost																		
6.1) Q2800 GP Bombs	-	-	1.388	-	-	0.390	-	-	0.230	-	-	0.233	-	-	-	-	-	0.233
6.2) Q2800 Guided Bombs	-	-	1.819	-	-	0.393	-	-	0.305	-	-	0.309	-	-	-	-	-	0.309
6.3) Q2800 Fuzes	-	-	0.841	-	-	0.290	-	-	0.239	-	-	0.243	-	-	-	-	-	0.243
Subtotal: Support - Integrated Logistics Cost	-	-	4.048	-	-	1.073	-	-	0.774	-	-	0.785	-	-	-	-	-	0.785
Support - Production Engineering Cost																		
7.1) Q2830 GP Bombs	-	-	16.930	-	-	1.833	-	-	1.324	-	-	1.336	-	-	-	-	-	1.336
7.2) Q2830 Guided Bombs	-	-	21.622	-	-	2.523	-	-	3.026	-	-	3.080	-	-	-	-	-	3.080
7.3) Q2830 Fuzes	-	-	9.886	-	-	2.309	-	-	2.060	-	-	2.098	-	-	-	-	-	2.098
Subtotal: Support - Production Engineering Cost	-	-	48.438	-	-	6.665	-	-	6.410	-	-	6.514	-	-	-	-	-	6.514
Support - Miscellaneous Support Cost																		
8.1) Q2850 Product Improvement Program (PIP)	-	-	16.683	-	-	0.490	-	-	4.671	-	-	0.152	-	-	-	-	-	0.152

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Exhibit P-5, Cost Analysis: PB 2016 Navy													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0145 / General Purpose Bombs						Item Number / Title [DODIC]: 1 / GP Bomb						
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)
8.2) Q2892 Non-Standard Items	-	-	0.847	-	-	0.229	-	-	0.237	-	-	0.241	-	-	-	-	-	0.241
8.3) Q2893 Renovation Components	-	-	0.826	-	-	0.218	-	-	0.223	-	-	0.226	-	-	-	-	-	0.226
8.4) Q2894 Gaging	-	-	0.850	-	-	0.232	-	-	0.254	-	-	0.259	-	-	-	-	-	0.259
Subtotal: Support - Miscellaneous Support Cost	-	-	19.206	-	-	1.169	-	-	5.385	-	-	0.878	-	-	-	-	-	0.878
Gross/Weapon System Cost	-	-	1,975.263	-	-	49.127	-	-	86.943	-	-	101.238	-	-	9.715	-	-	110.953
Remarks:																		
[Hardware] FY16-FY20 funding reduced significantly effecting all Guided Bomb assets.																		
(†) indicates the presence of a P-5a																		
Footnotes:																		
(1) Due to a lower NMRP requirement for BLU-111s funding was realigned in FY15 for higher priority requirements. Q2191 BLU-111 realigned to Q2199 BLU-109 and Q2896 Fuze non-recurring.																		
(2) Due to a lower NMRP requirement for BLU-110s funding was realigned in FY14 and FY15 for higher priority requirements. In FY14 Q2192 BLU-110 funds realigned to Q2032 FMU-139 and in FY15 Q2192 BLU-110 funds realigned to Q2199 BLU-109.																		
(3) Due to a lower NMRP requirement for BLU-109 funding was realigned across the FYDP for higher priority requirements: FY15 Q2192 BLU-110 and Q2191 BLU-111 funds were realigned to Q2199 BLU-109. FY16 Q2199 BLU-109 re-aligned to Q2210 HTVSF to procure Hard Target Void Sensing Fuze (HTVSF) Full Rate Production (FRP) QTYs and Q2861 Production Acceptance Test & Evaluation FUZE for testing of the FMU-139 D/B.																		
(4) Guided Bombs Tailkits were reduced due to Congressional action in FY15. Contract is on target to award in June 2015.																		
(5) The NRE effort is required to modify, produce and certify the BLU-109 PLGS configuration.																		
(6) Due to a slip in MS C for Q2210 HTVSF FY14 funding was realigned to procure Q2032 FMU-139. In FY15 Q2032 FMU-139 was reduced due to a Congressional reduction. Contract is on target to award March 2015. Remaining funding in FY15 is OCO funding.																		
(7) HTVSF MS C changed to March 2015, in order to complete OT testing. HTVSF is a joint program which requires the certification of both USAF and USN to approve the completion of joint testing requirements. Due to this delay the program has realigned funding to accommodate higher priorities until the program meets MS C in March 2015. These alignments are as follows: The FY14 funding under Q2210 HTVSF was realigned to Q2032 FMU-139. FY15 a portion of funding under Q2210 HTVSF was re-aligned to Q2896 FUZE NRE; Q2210 HTVSF will retain some funding to procure LRIP QTYs. FY16 funding realigned from Q2199 BLU-109 to Q2210 HTVSF to procure Full Rate Production QTYs.																		
(8) FY15 Non-Recurring Engineering (NRE) efforts for the FMU-139 D/B are required to modify the performance specifications to address emergent requirements for the Serial Data Interface (SDI), hardened target capability and deletion of dated fuzing approaches driving substantial algorithm and test requirements.																		
(9) HTVSF MS C slipped to March 2015. Production Acceptance Test and Evaluation (PAT&E) is required for deliveries that will occur in FY16.																		

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0145 / General Purpose Bombs				Item Number / Title [DODIC]: 1 / GP Bomb				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Q2191 BLU-111 ^(†)		2012	General Dynamics BLU-111 / Garland, TX/MCAAP	C / FP	JMC Rock Island, IL	Jul 2014	Jul 2017	200	6,655.00	Y		Jun 2014
1.1.3) Q2199 BLU-109 ^(†)		2012 (10)	National Forge BLU-109 / Irving, PA/MCAPP	C / FP	JMC Rock Island, IL	May 2012	Nov 2016	301	32,746.21	Y		Dec 2009
1.1.3) Q2199 BLU-109 ^(†)		2013	National Forge BLU-109 / Irving, PA/MCAPP	C / FP	JMC Rock Island, IL	May 2014	Oct 2017	35	31,250.00	Y		Dec 2013
1.1.3) Q2199 BLU-109 ^(†)		2014	National Forge BLU-109 / Irving, PA/MCAPP	C / FP	JMC Rock Island, IL	May 2014	Oct 2017	196	25,510.00	Y		Dec 2013
1.1.3) Q2199 BLU-109 ^(†)		2015	National Forge BLU-109 / Irving, PA/MCAPP	C / FP	JMC Rock Island, IL	May 2015	May 2018	506	25,995.00	Y		Dec 2014
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC) ^(†)	✓	2014	The Boeing Company / St. Charles, MO	C / FP	NAVAIR, Pax River, MD	Feb 2014	Mar 2015	395	14,625.00	Y		Oct 2008
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC) ^(†)		2015 (11)	The Boeing Company / St. Charles, MO	C / FP	NAVAIR, Pax River, MD	Jun 2015	Jun 2016	2,139	14,400.00	Y		Oct 2008
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC) ^(†)	✓	2015	The Boeing Company / St. Charles, MO	C / FP	NAVAIR, Pax River, MD	Jun 2015	Jun 2016	93	14,400.00	Y		Oct 2008
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC) ^(†)		2016	The Boeing Company / St. Charles, MO	C / FP	NAVAIR, Pax River, MD	Mar 2016	Mar 2017	960	14,688.04	Y		Mar 2015
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC) ^(†)	✓	2016	The Boeing Company / St. Charles, MO	C / FP	NAVAIR, Pax River, MD	Mar 2016	Mar 2017	71	14,688.04	Y		Mar 2015
2.1.4) Q2186 Guided Bombs Tailkits ^(†)		2014 (12)	The Boeing Company Guided Bombs (Tailkits) / St. Charles, MO	C / FP	Hill AFB, UT	Oct 2014	Oct 2015	809	24,000.00	Y		Oct 2013
2.1.4) Q2186 Guided Bombs Tailkits ^(†)	✓	2014	The Boeing Company Guided Bombs (Tailkits) / St. Charles, MO	C / FP	Hill AFB, UT	Oct 2014	Oct 2015	182	24,000.00	Y		Oct 2013
2.1.4) Q2186 Guided Bombs Tailkits ^(†)		2015 (13)	The Boeing Company Guided Bombs (Tailkits) / St. Charles, MO	C / TBD	Hill AFB, UT	Jun 2015	Jun 2016	506	24,480.85	Y		Oct 2013
2.1.4) Q2186 Guided Bombs Tailkits ^(†)	✓	2015	The Boeing Company Guided Bombs (Tailkits) / St. Charles, MO	C / TBD	Hill AFB, UT	Jun 2015	Jun 2016	152	24,480.85	Y		Oct 2013
2.1.4) Q2186 Guided Bombs Tailkits ^(†)		2016	The Boeing Company Guided Bombs (Tailkits) / St. Charles, MO	C / TBD	Hill AFB, UT	Jun 2016	Jun 2017	795	24,947.85	Y		Oct 2014
2.1.4) Q2186 Guided Bombs Tailkits ^(†)	✓	2016	The Boeing Company Guided Bombs (Tailkits) / St. Charles, MO	C / TBD	Hill AFB, UT	Jun 2016	Jun 2017	172	24,947.85	Y		Oct 2014
3.1.1) Q2196 FMU-143 ^(†)		2011 (14)	ATK Tactical Systems (143) / JMC Rock Island, IL	C / FP	JMC Rock Island, IL	Sep 2012	Sep 2016	3,205	2,534.79	Y		Jun 2011
3.1.2) Q2032 FMU-139 Electrical Fuze ^(†)		2009	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINNATI, OH	SS / FP	NAVAIR, Pax River, MD	Sep 2011	Sep 2015	11,454	1,827.05	Y		Jan 2009

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0145 / General Purpose Bombs					Item Number / Title [DODIC]: 1 / GP Bomb			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.1.2) Q2032 FMU-139 Electrical Fuze ^(†)	✓	2013 (15)	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINNATI, OH	SS / FFP	NAVAIR, Pax River, MD	Sep 2014	Sep 2016	7,200	2,400.00	Y		Mar 2014
3.1.2) Q2032 FMU-139 Electrical Fuze ^(†)		2014	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINNATI, OH	SS / FFP	NAVAIR, Pax River, MD	Mar 2015	Mar 2017	1,317	2,400.00	Y		Mar 2014
3.1.2) Q2032 FMU-139 Electrical Fuze ^(†)	✓	2014	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINNATI, OH	SS / FFP	NAVAIR, Pax River, MD	Sep 2014	Sep 2016	527	2,400.00	Y		Mar 2014
3.1.2) Q2032 FMU-139 Electrical Fuze ^(†)	✓	2015	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINNATI, OH	SS / FFP	NAVAIR, Pax River, MD	Mar 2015	Mar 2017	1,078	2,351.00	Y		Mar 2014
3.1.2) Q2032 FMU-139 Electrical Fuze ^(†)		2016	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINNATI, OH	SS / FFP	NAVAIR, Pax River, MD	Mar 2016	Mar 2018	3,678	2,398.02	Y		Mar 2014
3.1.2) Q2032 FMU-139 Electrical Fuze ^(†)	✓	2016	L-3 FUZING & ORDNANCE SYSTEMS INC / CINCINNATI, OH	SS / FFP	NAVAIR, Pax River, MD	Mar 2016	Mar 2018	1,827	2,398.02	Y		Mar 2014
3.1.3) Q2210 Hard Target Void Sensing Fuze ^(†)		2015 (16)	ATK Tactical Systems (HTVSF) / Keyser, WV	C / FFP	Eglin AFB, FL	Apr 2015	Apr 2016	50	20,872.00	Y		Nov 2012
3.1.3) Q2210 Hard Target Void Sensing Fuze ^(†)		2016	ATK Tactical Systems (HTVSF) / Keyser, WV	C / FFP	Eglin AFB, FL	May 2016	May 2017	450	19,493.33	Y		Nov 2012
^(†) indicates the presence of a P-21 Footnotes: ⁽¹⁰⁾ The delay in FY12 and FY13 receipt of the BLU-109 bombs from May 2017 to Oct 2017 has been driven by the backlog of work at the MCAAP (GOGO). The primary driver of the delay is three fold: annual procurements exceeding the facility capacity, rework efforts due to Insensitive Munition (IM) and Lot Acceptance Test failures ⁽¹¹⁾ Due to the delays in the requirements documentation the award date has slipped from March 2015 to June 2015. This will not affect the FY16 contract award. USAF deliveries will occur during Navy production break. ⁽¹²⁾ The Secretary of Acquisition for the USAF denied the request to waive the TINA requirement for the Guided bomb Tail kit contract. As a result, the USAF awarded a UCA for the FY14 procurement in Oct 2014 and the order will definitize by 30 April 2015. ⁽¹³⁾ The USAF award of a LOT 19-22 Guided Bomb Tail kit contract is pending supplier commerciality determination. Planned award is June 2015. A contingency to hold to this schedule and mitigate disruption of production schedule is an award of an FY15 UCA. ⁽¹⁴⁾ The change in the FMU-143 delivery date from September 2015 to September of 2016 is due to FUZE qualification failures. ⁽¹⁵⁾ Due to delays in the contract negotiations the award date has slipped from July 2014 to September 2014. ⁽¹⁶⁾ The FY15 contract award moved from May 2015 to April 2015 due to slide of MS C.												

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Exhibit P-21, Production Schedule: PB 2016 Navy																			Date: February 2015													
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1									P-1 Line Item Number / Title: 0145 / General Purpose Bombs										Item Number / Title [DODIC]: 1 / GP Bomb													
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2011										Fiscal Year 2012															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 0	BAL D U E A S O F 1 O C T	Calendar Year 2011										Calendar Year 2012										B A L					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P	
1.1.1) Q2191 BLU-111 ⁽¹⁾																																
Prior Years Deliveries: 7330																																
	1	2012	NAVY		.200 ⁽¹⁷⁾	-	.200																									.200
1.1.3) Q2199 BLU-109 ⁽³⁾																																
Prior Years Deliveries: 374																																
	2	2012	NAVY		.301 ⁽¹⁸⁾	-	.301																									.301
	2	2013	NAVY		.035 ⁽¹⁹⁾	-	.035																									.035
	2	2014	NAVY		.196	-	.196																									.196
	2	2015	NAVY		.506	-	.506																									.506
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC)																																
Prior Years Deliveries: 5750																																
✓	3	2014	NAVY		.395	-	.395																									.395
	3	2015	NAVY		2.139	-	2.139																									2.139
✓	3	2015	NAVY		.093	-	.093																									.093
	3	2016	NAVY		.960	-	.960																									.960
✓	3	2016	NAVY		.071	-	.071																									.071
2.1.4) Q2186 Guided Bombs Tailkits ⁽⁴⁾																																
	4	2014	NAVY		.809 ⁽²⁰⁾	-	.809																									.809
✓	4	2014	NAVY		.182	-	.182																									.182
	4	2015	NAVY		.506	-	.506																									.506
✓	4	2015	NAVY		.152	-	.152																									.152
	4	2016	NAVY		.795	-	.795																									.795
✓	4	2016	NAVY		.172	-	.172																									.172
3.1.1) Q2196 FMU-143																																
Prior Years Deliveries: 2125																																
	5	2011	NAVY		3.205	-	3.205																								A -	3.205
3.1.2) Q2032 FMU-139 Electrical Fuze ⁽⁶⁾																																
Prior Years Deliveries: 23212																																
	6	2009	NAVY		11.454	-	11.454												A -	-	-	-	-	-	-	-	-	-	-	-	11.454	
✓	6	2013	NAVY		7.200 ⁽²¹⁾	-	7.200																									7.200
	6	2014	NAVY		1.317	-	1.317																									1.317
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Navy																			Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0145 / General Purpose Bombs												Item Number / Title [DODIC]: 1 / GP Bomb														
Cost Elements (Units in Thousands)							Fiscal Year 2011										Fiscal Year 2012																
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2010	BAL DUE AS OF 1 OCT	Calendar Year 2011										Calendar Year 2012										B A L						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P		
✓	6	2014	NAVY	.527	-	.527																										.527	
✓	6	2015	NAVY	1.078	-	1.078																										1.078	
	6	2016	NAVY	3.678	-	3.678																										3.678	
✓	6	2016	NAVY	1.827	-	1.827																										1.827	
3.1.3) Q2210 Hard Target Void Sensing Fuze ⁽⁷⁾																																	
	7	2015	NAVY	.050	-	.050																										.050	
	7	2016	NAVY	.450	-	.450																										.450	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0145 / General Purpose Bombs										Item Number / Title [DODIC]: 1 / GP Bomb												
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2013										Fiscal Year 2014															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013										Calendar Year 2014										BAL					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P	
1.1.1) Q2191 BLU-111 ⁽¹⁾																																
Prior Years Deliveries: 7330																																
	1	2012	NAVY	.200 ⁽¹⁷⁾	-	.200																							A -	-	-	.200
1.1.3) Q2199 BLU-109 ⁽³⁾																																
Prior Years Deliveries: 374																																
	2	2012	NAVY	.301 ⁽¹⁸⁾	-	.301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.301
	2	2013	NAVY	.035 ⁽¹⁹⁾	-	.035																							A -	-	-	.035
	2	2014	NAVY	.196	-	.196																							A -	-	-	.196
	2	2015	NAVY	.506	-	.506																										.506
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC)																																
Prior Years Deliveries: 5750																																
✓	3	2014	NAVY	.395	-	.395																							A -	-	-	.395
	3	2015	NAVY	2.139	-	2.139																										2.139
✓	3	2015	NAVY	.093	-	.093																										.093
	3	2016	NAVY	.960	-	.960																										.960
✓	3	2016	NAVY	.071	-	.071																										.071
2.1.4) Q2186 Guided Bombs Tailkits ⁽⁴⁾																																
	4	2014	NAVY	.809 ⁽²⁰⁾	-	.809																										.809
✓	4	2014	NAVY	.182	-	.182																										.182
	4	2015	NAVY	.506	-	.506																										.506
✓	4	2015	NAVY	.152	-	.152																										.152
	4	2016	NAVY	.795	-	.795																										.795
✓	4	2016	NAVY	.172	-	.172																										.172
3.1.1) Q2196 FMU-143																																
Prior Years Deliveries: 2125																																
	5	2011	NAVY	3.205	-	3.205	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.205
3.1.2) Q2032 FMU-139 Electrical Fuze ⁽⁶⁾																																
Prior Years Deliveries: 23212																																
	6	2009	NAVY	11.454	-	11.454	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.454
✓	6	2013	NAVY	7.200 ⁽²¹⁾	-	7.200																								A -		7.200
	6	2014	NAVY	1.317	-	1.317																										1.317
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																			Date: February 2015													
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0145 / General Purpose Bombs												Item Number / Title [DODIC]: 1 / GP Bomb													
Cost Elements (Units in Thousands)							Fiscal Year 2013												Fiscal Year 2014													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013												Calendar Year 2014												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
✓	6	2014	NAVY	.527	-	.527																								A -	.527	
✓	6	2015	NAVY	1.078	-	1.078																									1.078	
	6	2016	NAVY	3.678	-	3.678																									3.678	
✓	6	2016	NAVY	1.827	-	1.827																									1.827	
3.1.3) Q2210 Hard Target Void Sensing Fuze ⁽⁷⁾																																
	7	2015	NAVY	.050	-	.050																									.050	
	7	2016	NAVY	.450	-	.450																									.450	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0145 / General Purpose Bombs												Item Number / Title [DODIC]: 1 / GP Bomb													
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2015												Fiscal Year 2016													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015												Calendar Year 2016												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
✓	6	2014	NAVY	.527	-	.527	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.527	-	
✓	6	2015	NAVY	1.078	-	1.078						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.078		
	6	2016	NAVY	3.678	-	3.678																		A -	-	-	-	-	-	-	3.678	
✓	6	2016	NAVY	1.827	-	1.827																		A -	-	-	-	-	-	-	1.827	
3.1.3) Q2210 Hard Target Void Sensing Fuze ⁽⁷⁾																																
	7	2015	NAVY	.050	-	.050							A -	-	-	-	-	-	-	-	-	-	-	-	.010	.010	.010	.010	.010		-	
	7	2016	NAVY	.450	-	.450																				A -	-	-	-	-	.450	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																								Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1												P-1 Line Item Number / Title: 0145 / General Purpose Bombs												Item Number / Title [DODIC]: 1 / GP Bomb									
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2017												Fiscal Year 2018														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017												Calendar Year 2018												B A L		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
1.1.1) Q2191 BLU-111 ⁽¹⁾																																	
Prior Years Deliveries: 7330																																	
	1	2012	NAVY	.200 ⁽¹⁷⁾	-	.200	-	-	-	-	-	-	-	-	-	.200																	-
1.1.3) Q2199 BLU-109 ⁽³⁾																																	
Prior Years Deliveries: 374																																	
	2	2012	NAVY	.301 ⁽¹⁸⁾	-	.301	-	.301																	-								
	2	2013	NAVY	.035 ⁽¹⁹⁾	-	.035	-	-	-	-	-	-	-	-	-	-	-	.035															-
	2	2014	NAVY	.196	-	.196	-	-	-	-	-	-	-	-	-	-	.196															-	
	2	2015	NAVY	.506	-	.506	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.100	.100	.100	.100	.106	-		
2.1.1) Q2200 Direct Attack Moving Target Capability (DAMTC)																																	
Prior Years Deliveries: 5750																																	
✓	3	2014	NAVY	.395	.395	-																	-										
	3	2015	NAVY	2.139	.650	1.489	.180	.180	.180	.189	.190	.190	.190	.190																		-	
✓	3	2015	NAVY	.093	.093	-																	-										
	3	2016	NAVY	.960	-	.960	-	-	-	-	-	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080	.080											-
✓	3	2016	NAVY	.071	-	.071	-	-	-	-	-	.071																				-	
2.1.4) Q2186 Guided Bombs Tailkits ⁽⁴⁾																																	
	4	2014	NAVY	.809 ⁽²⁰⁾	.809	-																	-										
✓	4	2014	NAVY	.182	.182	-																	-										
	4	2015	NAVY	.506	.370	.136	.136																-										
✓	4	2015	NAVY	.152	.152	-																	-										
	4	2016	NAVY	.795	-	.795	-	-	-	-	-	-	-	-	-	.795																	-
✓	4	2016	NAVY	.172	-	.172	-	-	-	-	-	-	-	-	.172																		-
3.1.1) Q2196 FMU-143																																	
Prior Years Deliveries: 2125																																	
	5	2011	NAVY	3.205	.267	2.938	.267	.267	.267	.267	.267	.267	.267	.267	.267	.267	.267	.268															-
3.1.2) Q2032 FMU-139 Electrical Fuze ⁽⁶⁾																																	
Prior Years Deliveries: 23212																																	
	6	2009	NAVY	11.454	11.454	-																	-										
✓	6	2013	NAVY	7.200 ⁽²¹⁾	2.400	4.800	2.400	2.400															-										
	6	2014	NAVY	1.317	-	1.317	-	-	-	-	-	1.317																				-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015																
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0145 / General Purpose Bombs										Item Number / Title [DODIC]: 1 / GP Bomb																
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2017										Fiscal Year 2018																			
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017										Calendar Year 2018										B A L									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P					
✓	6	2014	NAVY	.527	.527	-																					-									
✓	6	2015	NAVY	1.078	-	1.078	-	-	-	-	-	-	.200	.200	.200	.200	.200	.078											-							
	6	2016	NAVY	3.678	-	3.678	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.306	.306	.306	.306	.306	.306	.306	1.536						
✓	6	2016	NAVY	1.827	-	1.827	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.827											-		
3.1.3) Q2210 Hard Target Void Sensing Fuze ⁽⁷⁾																																				
	7	2015	NAVY	.050	.050	-																					-									
	7	2016	NAVY	.450	-	.450	-	-	-	-	-	-	-	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.040	.010											-
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015											
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0145 / General Purpose Bombs										Item Number / Title [DODIC]: 1 / GP Bomb											
Cost Elements (Units in Thousands)							Fiscal Year 2019										Fiscal Year 2020														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019										Calendar Year 2020										B A L				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P
✓	6	2014	NAVY	.527	.527	-																					-				
✓	6	2015	NAVY	1.078	1.078	-																					-				
	6	2016	NAVY	3.678	2.142	1.536	.306	.312	.306	.306	.306																-				
✓	6	2016	NAVY	1.827	1.827	-																					-				
3.1.3) Q2210 Hard Target Void Sensing Fuze ⁽⁷⁾																															
	7	2015	NAVY	.050	.050	-																					-				
	7	2016	NAVY	.450	.450	-																					-				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1					P-1 Line Item Number / Title: 0145 / General Purpose Bombs				Item Number / Title [DODIC]: 1 / GP Bomb			
		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	General Dynamics BLU-111 - Garland, TX/MCAAP	21,359	38,544	100,200	-	10	24	34	-	11	36	47
2	National Forge BLU-109 - Irving, PA/MCAPP	1,344	2,232	6,480	-	12	24	36	-	8	36	44
3	The Boeing Company - St. Charles, MO	1,200	4,800	5,760	-	5	29	34	-	6	12	18
4	The Boeing Company Guided Bombs (Tailkits) - St. Charles, MO	4,000	10,000	36,000	-	12	12	24	-	6	12	18
5	ATK Tactical Systems (143) - JMC Rock Island, IL	6,000	10,000	20,000	-	-	-	-	-	12	36	48
6	L-3 FUZING & ORDNANCE SYSTEMS INC - CINCINATTI, OH	6,000	10,000	20,000	-	7	24	31	-	-	24	24
7	ATK Tactical Systems (HTVSF) - Keyser, WV	166	773	992	-	8	12	20	-	-	-	-
"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: (17) Due to program efficiencies, and additional 200 units were placed on contract utilizing the FY12 funding to procure BLU-111's to meet inventory objectives. (18) National Forge produces BLU-109 bombs for both Navy and Air Force. The production rate for bombs is based on the total number of bombs in production collectively across types and services. (19) Fluctuations and gaps in Fiscal Years 2012, 2013, 2014, and 2015 delivery schedules for the BLU-109 are due to Multi-Service deliveries. (20) Fluctuations and gaps in Fiscal Years 2014, 2015 and 2016 delivery schedules for the Tailkits are due to Multi-Service deliveries. (21) There is not a gap in deliveries in Fiscal Years 2009, 2013, 2014, 2015, and 2016 for FMU-139 . Deliveries of joint service procurements are occurring during Navy production breaks.												

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0204162N, 0206138M				
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)	689.042	95.743	76.278	67.289	11.108	78.397	66.567	92.015	88.631	118.943	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	689.042	95.743	76.278	67.289	11.108	78.397	66.567	92.015	88.631	118.943	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	689.042	95.743	76.278	67.289	11.108	78.397	66.567	92.015	88.631	118.943	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:

Procurements are to establish an inventory of rocket/rocket components in accordance with the Naval Munitions Requirements process (NMRP) and to maintain those inventory levels as training and combat usage occurs as identified in the Total Munition Requirement (TMR). Production is for complete units/operationally configured units to satisfy the requirement of applicable specifications of Airborne Rockets, All types.

[P40A / Rockets Hardware]: 2.75-inch and 5.00-inch rockets are employed by both rotary and fixed wing platforms across several mission areas. Current employment includes Close Air Support (CAS), Military Operations in Urban Terrain (MOUT), and counter-Fast Attack Craft/Fast Inshore Attack Craft (counter-FAC/FIAC) missions.

[P40A / (Q5898) M282 MULTI-PURPOSE PENETRATOR (MPP)]: The M282 MPP warhead provides United States Marine Corps aircrew and ground commanders greatly enhanced weaponeering options to engage targets protected by urban and cave environments. After completing a planned product improvement initiative, the M282 will be certified for fielding with the Advanced Precision Kill Weapon System (APKWS) guidance section. The M282 is a low-cost penetrator warhead that addresses an urgent need for continuing Overseas Contingency Operations and will directly improve aviation fire support to the Marine Air-Ground Task Force.

[P40A / (Q5899) MK 152 WARHEAD]: The MK152 warhead significantly improves the Insensitive Munitions (IM) reaction characteristics over the M151 warhead, greatly increasing safety and reducing restrictions on Marine Corps and Navy shipboard operations. MK152 warheads are required for shipboard operations with Advanced Precision Kill Weapon System (APKWS) guidance sections. Overseas Contingency Operations funding provides replenishment of warhead inventory expended in combat and replacement of the M151 warheads with shipboard-compatible units.

[P40A / Rocket Launchers]: Provides for 2.75 Inch Rocket Launchers including the LAU-61 G/A Digital Rocket Launcher (DRL) and LAU-68 F/A.

[P40A / APKWS]: ADVANCED PRECISION KILL WEAPON SYSTEM (APKWS): APKWS was an Army-led System Development and Demonstration (SD&D) program to develop a low-cost Semi Active Laser (SAL) guidance section to enhance the precision of 2.75-inch unguided rockets. APKWS is a small, lightweight, mid-body guidance section that can be assembled with existing unguided rocket components (Mk 66 Mod 4 rocket motors and M151/MK152 warheads), and can be fired from 2.75-inch rocket launchers. Compared to unguided rockets, APKWS offers greater precision, increased stored kills per aircraft sortie, reduced collateral damage, improved effectiveness against soft and lightly armored targets, and increased standoff range to enhance crew survivability. The SD&D program was transferred to the Navy, and after completion of testing, received Milestone C approval in April 2010. A Full-Rate Production Decision was received in 3QFY12 with buy-to-budget direction from the Milestone Decision Authority. Initial operational capability was declared in March 2012 in Afghanistan supporting Operation Enduring Freedom.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition		P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0204162N, 0206138M
[P40A / (Q5871) MISCELLANEOUS ITEMS]: Provides for procurement of various rocket components not to exceed a total cost of 500K per year per component.		
[P40A / (Q5850) Product Improvement (PIP)]: Provides for modifications and upgrades to products within Airborne Rockets, All types. Efforts include configuration changes involving production, engineering, manufacturing, installation and testing that increases system or combat effectiveness to extend the useful military life of an item, and/or to improve the item within the current performance envelope.		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition					P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0204162N, 0206138M		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Airborne Rockets, All Types	P-40a, P-5a, P-21		- / 689.042	- / 95.743	- / 76.279	- / 67.289	- / 11.107	- / 78.396
Total Gross/Weapon System Cost			- / 689.042	- / 95.743	- / 76.278	- / 67.289	- / 11.108	- / 78.397
*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: The FY16 funding request was reduced by \$13 million to account for the availability of prior year execution balances. FY16 baseline funding is required to procure 2.75-inch rocket components - to include rocket motors, warheads, Advanced Precision Kill Weapon System (APKWS) guidance sections, and rocket launchers - to enable low-cost area suppression as well as precision engagements from US Marine Corps (USMC) H-1 aircraft in low collateral damage Close Air Support (CAS) operations, and from US Navy (USN) H-60 aircraft to neutralize Fast Attack Craft/Fast Inshore Attack Craft (FAC/FIAC) threats. Baseline funding is also required to procure containers for all rocket components to support USN/USMC expeditionary concept of operations from CVN and L-Class surface combatants. Additionally, FY16 baseline funding is required to address product improvements needed for components designed and first produced over 40 years ago, as well as the production engineering and integrated logistics support needed for all 2.75-inch rocket components. OCO: FY16 Overseas Contingency Operations (OCO) funding is required to replenish 2.75-inch rocket motors, warheads and APKWS guidance sections that were expended during combat operations in support of Operation Freedom's Sentinel (OFS). FY16 OCO funding is also required for production engineering support of rocket components procured and produced to replenish OCO expenditures. Failure to replenish OCO rocket component expenditures will require USMC H-1 aircraft to employ more expensive weapons (i.e. Hellfire) to neutralize low-cost, soft/lightly armored targets and simultaneously challenge the ability of the USN H-60 fleet to effectively counter the FAC/FIAC threat. MK-66 rocket motors are needed for combat operations and OCO funding will aid in the replenishment of rocket motor inventory levels. The MK-66 motor is used as the component motor in all 2.75-inch rocket configurations. With an increase in pre deployment training as well as combat operations, additional procurement is required to meet the needs of the warfighter and to ensure inventory is maintained. The M282/APKWS fielding is needed to engage armored and hardened targets with low-cost, low-CDE weapons limit weaponeering options available to battlefield commanders in close-air-support (CAS) missions. The MK-152 warhead with MK-435 fuze is needed to permit the warfighter to engage the enemy at closer ranges, increasing accuracy with a safer, more reliable warhead. This will provide sufficient inventory to support the current OCO operational tempo with warheads providing greater lethality and reduced collateral damage. APKWS integration on MH-60S platforms is complete. Integration on the MH-60R will complete in FY15. Failure to replenish OCO expenditures will limit available inventory for an expanding user base and challenge the Navy's ability to effectively counter the FAC/FIAC threat.								

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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: 1508N / 01 / 1						P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types									Aggregated Items Title: Airborne Rockets, All Types					
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) Rockets Hardware																				
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) ^{(1)(†)}	A		1,139.76	260,396	296.789	415.02	29,236	12.134	422.90	33,152	14.020	486.48	18,852	9.171	486.48	3,456	1.681	486.48	22,308	10.852
1.2) (Q5041) MK 71 ROCKET MOTOR	A		-	-	56.296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) (Q5042) MK 66 ROCKET MOTOR (MOD 6)	A		-	-	0.585	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) (Q5200) SMOKEY SAM ^(†)	A		-	-	3.050	158.00	2,970	0.469	161.13	2,830	0.456	-	-	-	-	-	-	-	-	-
Subtotal: 1) Rockets Hardware			-	-	356.720	-	-	12.603	-	-	14.476	-	-	9.171	-	-	1.681	-	-	10.852
2) Rocket Warheads																				
2.1) (Q5030) WTU1/ B INERT WARHEAD ^{(2)(†)}	A		161.81	111,194	17.992	93.40	8,638	0.807	93.40	7,740	0.723	95.17	7,649	0.728	-	-	-	95.17	7,649	0.728
2.2) (Q5080) MK 146 HE WARHEAD ^(†)	A		18,431.82	1,100	20.275	-	-	-	1,601.33	1,323	2.119	-	-	-	-	-	-	-	-	-
2.3) (Q5090) MK 149 WARHEAD ^{(3)(†)}	A		22,968.57	509	11.691	-	-	-	575.85	1,200	0.691	-	-	-	-	-	-	-	-	-
2.4) (Q5897) WTU-11/ B WARHEAD ^(†)	A		-	-	1.025	-	-	-	416.58	941	0.392	-	-	-	-	-	-	-	-	-
2.5) (Q5898) M282 MULTI-PURPOSE PENETRATOR (MPP) ^{(4)(†)}	A		3,349.61	5,426	18.175	-	-	-	3,375.00	40	0.135	-	-	-	3,449.70	40	0.138	3,449.70	40	0.138
2.6) (Q5899) MK 152 WARHEAD ^(†)	A		1,363.70	43,915	59.887	1,538.04	6,369	9.796	1,567.26	3,665	5.744	-	-	-	1,598.61	3,325	5.315	1,598.61	3,325	5.315
Subtotal: 2) Rocket Warheads			-	-	129.045	-	-	10.603	-	-	9.804	-	-	0.728	-	-	5.453	-	-	6.181
3) Rocket Launchers																				
3.1) (Q5895) LAU-68 F/A (2.75") ^{(5)(†)}	A		22,130.71	635	14.053	17,219.78	770	13.259	17,560.29	50	0.878	17,897.89	48	0.859	-	-	-	17,897.89	48	0.859
3.2) (Q5900) LAU-61 G/A (2.75") DIGITAL ROCKET LAUNCHER ^{(6)(†)}	A		61,636.36	22	1.356	56,212.35	113	6.352	57,301.07	27	1.547	58,470.48	29	1.696	-	-	-	58,470.48	29	1.696
Subtotal: 3) Rocket Launchers			-	-	15.409	-	-	19.611	-	-	2.425	-	-	2.555	-	-	-	-	-	2.555
4) APKWS																				

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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: 1508N / 01 / 1						P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types									Aggregated Items Title: Airborne Rockets, All Types					
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) (Q5896) APKWS G&C SECTIONS ^(†)	A		28,293.53	3,308	93.595	27,291.00	1,372	37.443	28,169.00	1,624	45.747	28,704.21	1,774	50.921	28,704.21	60	1.722	28,704.21	1,834	52.643
Subtotal: 4) APKWS			-	-	93.595	-	-	37.443	-	-	45.747	-	-	50.921	-	-	1.722	-	-	52.643
5) Other																				
5.1) (Q5871) MISCELLANEOUS ITEMS	A		-	-	7.446	-	-	0.100	-	-	0.100	-	-	0.100	-	-	-	-	-	0.100
5.2) (Q5870) CONTAINERS ⁽⁷⁾	A		-	-	16.271	-	-	5.099	-	-	0.888	-	-	0.992	-	-	-	-	-	0.992
Subtotal: 5) Other			-	-	23.717	-	-	5.199	-	-	0.988	-	-	1.092	-	-	-	-	-	1.092
6) (Q5800) Integrated Logistics Support (ILS)																				
6.1) ROCKET WARHEADS-ILS	A		-	-	3.030	-	-	0.165	-	-	0.170	-	-	0.171	-	-	-	-	-	0.171
6.2) ROCKET LAUNCHERS-ILS	A		-	-	0.437	-	-	0.097	-	-	0.088	-	-	0.101	-	-	-	-	-	0.101
6.3) APKWS-ILS	A		-	-	0.202	-	-	0.047	-	-	0.047	-	-	0.049	-	-	-	-	-	0.049
6.4) OTHER-ILS	A		-	-	0.036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) (Q5800) Integrated Logistics Support (ILS)			-	-	3.705	-	-	0.309	-	-	0.305	-	-	0.321	-	-	-	-	-	0.321
7) (Q5850) Product Improvement (PIP)																				
7.1) ROCKET WARHEADS-PIP	A		-	-	13.539	-	-	-	-	-	0.377	-	-	0.200	-	-	-	-	-	0.200
7.2) ROCKET LAUNCHERS-PIP	A		-	-	0.013	-	-	-	-	-	0.007	-	-	0.004	-	-	-	-	-	0.004
7.3) APKWS-PIP	A		-	-	0.355	-	-	4.782	-	-	-	-	-	0.184	-	-	-	-	-	0.184
Subtotal: 7) (Q5850) Product Improvement (PIP)			-	-	13.907	-	-	4.782	-	-	0.384	-	-	0.388	-	-	-	-	-	0.388
8) (Q5830) Production Engineering Support (PES)																				
8.1) ROCKET MOTORS-PES	A		-	-	10.567	-	-	1.739	-	-	0.639	-	-	0.646	-	-	-	-	-	0.646
8.2) ROCKET WARHEADS-PES	A		-	-	24.719	-	-	1.171	-	-	0.710	-	-	0.673	-	-	2.243	-	-	2.916
8.3) ROCKET LAUNCHERS-PES	A		-	-	5.654	-	-	0.529	-	-	0.175	-	-	0.179	-	-	-	-	-	0.179
8.4) APKWS-PES	A		-	-	12.004	-	-	1.754	-	-	0.626	-	-	0.615	-	-	0.008	-	-	0.623
Subtotal: 8) (Q5830) Production Engineering Support (PES)			-	-	52.944	-	-	5.193	-	-	2.150	-	-	2.113	-	-	2.251	-	-	4.364

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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: 1508N / 01 / 1						P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types									Aggregated Items Title: Airborne Rockets, All Types				

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)
Total			-	-	689.042	-	-	95.743	-	-	76.279	-	-	67.289	-	-	11.107	-	-	78.396

(†) indicates the presence of a P-5a

Footnotes:

- (1) (Q5040) MK 66 ROCKET MOTOR (MOD 4): Pricing is provided by the Army and incorporates other services' buys. The unit price fluctuates depending on the total tri-service procurement.
- (2) (Q5030) WTU1/B INERT WARHEAD: Pricing provided by the Army and incorporates other services' buys. Baseline unit cost is dependent on total quantities from the Army. WTU-1/B warheads are procured via competitive contract led by the Army.
- (3) (Q5090) MK 149 WARHEAD: Pricing provided by the Army and incorporates other services' buys.
- (4) (Q5898) M282 MULTI-PURPOSE PENETRATOR: Pricing provided by the Army and incorporates other services' buys.
- (5) (Q5895) LAU-68 F/A (2.75"): Unit cost may differ from the budget due to procurement of several components (such as launcher skin material, thermal coat material, safety switches, intervalometers and/or detent mechanisms) at economic order quantities by the prime to support budgeted launcher quantities.
- (6) (Q5900) LAU-61 G/A (2.75"): Unit cost may differ from the budget due to procurement of several components (such as launcher skin material, thermal coat material, safety switches, launcher electronics components and/or detent mechanisms) at economic order quantities by the prime to support budgeted launcher quantities. Unit costs updated based on FY14 actuals.
- (7) (Q5870) CONTAINERS: FY14 procurement of Containers is higher due to production/delivery schedule of MK-66 motors.

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types					Aggregated Items: Airborne Rockets, All Types			
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Rockets Hardware												
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) ^{(1)(t)}		2013	General Dynamics / Burlington, VT	SS / FFP	Huntsville	May 2013	Nov 2014	10,431	690.13	Y		Oct 2008
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) ^{(1)(t)}	✓	2013	General Dynamics / Burlington, VT	SS / FFP	Huntsville	May 2013	Nov 2014	40,846	690.13	Y		Oct 2008
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) ^{(1)(t)}		2014 (8)	General Dynamics / Burlington, VT	SS / FP	Huntsville	Sep 2014	Nov 2015	16,866	415.02	Y		Oct 2013
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) ^{(1)(t)}	✓	2014	General Dynamics / Burlington, VT	SS / FFP	Huntsville	Sep 2014	Nov 2015	12,370	415.02	Y		Oct 2013
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) ^{(1)(t)}		2015	General Dynamics / Burlington, VT	SS / FFP	Huntsville	May 2015	Nov 2016	29,236	422.90	Y		Oct 2013
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) ^{(1)(t)}	✓	2015	General Dynamics / Burlington, VT	SS / FFP	Huntsville	May 2015	Nov 2016	3,916	422.90	Y		Oct 2013
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) ^{(1)(t)}		2016	General Dynamics / Burlington, VT	SS / FFP	Huntsville	May 2016	Nov 2017	18,852	486.48	Y		Oct 2013
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) ^{(1)(t)}	✓	2016	General Dynamics / Burlington, VT	SS / FFP	Huntsville	May 2016	Nov 2017	3,456	486.48	Y		Oct 2013
1.4) (Q5200) SMOKEY SAM		2014	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Mar 2014	Mar 2015	2,970	158.00	Y		
1.4) (Q5200) SMOKEY SAM		2015	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Jan 2015	Jan 2016	2,830	161.13	Y		
2) Rocket Warheads												
2.1) (Q5030) WTU1/B INERT WARHEAD ⁽²⁾		2013	General Dynamics / Burlington, VT	SS / FFP	Huntsville	Jul 2013	Jul 2014	31,696	81.39	Y		Oct 2008
2.1) (Q5030) WTU1/B INERT WARHEAD ⁽²⁾	✓	2013	General Dynamics / Burlington, VT	SS / FFP	Huntsville	Jul 2014	Jul 2015	26,813	68.92	Y		Oct 2008
2.1) (Q5030) WTU1/B INERT WARHEAD ⁽²⁾		2014 (9)	General Dynamics / Burlington, VT	SS / FFP	Huntsville	Dec 2014	Dec 2015	7,697	93.40	Y		Oct 2013
2.1) (Q5030) WTU1/B INERT WARHEAD ⁽²⁾	✓	2014 (10)	General Dynamics / Burlington, VT	SS / FFP	Huntsville	Dec 2014	Dec 2015	941	93.40	Y		Oct 2013
2.1) (Q5030) WTU1/B INERT WARHEAD ⁽²⁾		2015	General Dynamics / Burlington, VT	SS / FFP	Huntsville	May 2015	May 2016	7,740	93.40	Y		Oct 2013
2.1) (Q5030) WTU1/B INERT WARHEAD ⁽²⁾		2016	General Dynamics / Burlington, VT	SS / FFP	Huntsville	May 2016	May 2017	7,649	95.17	Y		Oct 2013
2.2) (Q5080) MK 146 HE WARHEAD		2015	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Jan 2015	Jan 2016	1,323	1,601.33	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types				Aggregated Items: Airborne Rockets, All Types				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.3) (Q5090) MK 149 WARHEAD ⁽³⁾		2012	General Dynamics / Burlington, VT	SS / FFP	Huntsville	Apr 2012	Aug 2014	509	1,168.96	Y		Oct 2008
2.3) (Q5090) MK 149 WARHEAD ⁽³⁾		2015	General Dynamics / Burlington, VT	SS / FFP	Huntsville	Apr 2015	Aug 2017	1,200	575.85	Y		Oct 2013
2.4) (Q5897) WTU-11/B WARHEAD		2015	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Mar 2015	Mar 2016	941	416.58	Y		Oct 2013
2.5) (Q5898) M282 MULTI- PURPOSE PENETRATOR (MPP) ⁽⁴⁾	✓	2013	General Dynamics ⁽¹¹⁾ / Burlington, VT	C / FFP	Huntsville	Mar 2013	Mar 2014	1,362	3,280.00	Y		Oct 2008
2.5) (Q5898) M282 MULTI- PURPOSE PENETRATOR (MPP) ⁽⁴⁾		2015	General Dynamics ⁽¹¹⁾ / Burlington, VT	C / FFP	HuntsvilleHuntsville	Apr 2015	Apr 2016	40	3,375.00	Y		Oct 2013
2.5) (Q5898) M282 MULTI- PURPOSE PENETRATOR (MPP) ⁽⁴⁾	✓	2016	General Dynamics ⁽¹¹⁾ / Burlington, VT	C / FFP	Huntsville	Apr 2016	Apr 2017	40	3,449.70	Y		Oct 2013
2.6) (Q5899) MK 152 WARHEAD ^(†)		2013	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Jan 2013	Jan 2014	1,460	1,369.27	Y		
2.6) (Q5899) MK 152 WARHEAD ^(†)	✓	2013	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Jan 2013	Jan 2014	17,879	1,369.27	Y		
2.6) (Q5899) MK 152 WARHEAD ^(†)	✓	2014	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Dec 2013	Jan 2015	6,369	1,538.04	Y		
2.6) (Q5899) MK 152 WARHEAD ^(†)		2015	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Jan 2015	Jan 2016	648	1,567.26	Y		
2.6) (Q5899) MK 152 WARHEAD ^(†)	✓	2015	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Jan 2015	Jan 2016	3,017	1,567.26	Y		
2.6) (Q5899) MK 152 WARHEAD ^(†)	✓	2016	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Jan 2016	Jan 2017	3,325	1,598.61	Y		
3) Rocket Launchers												
3.1) (Q5895) LAU-68 F/A (2.75") ⁽⁵⁾		2013	Arnold Defense / St. Louis, MO	C / FFP	NSWC	Aug 2013	Aug 2014	135	16,918.52	Y		Apr 2009
3.1) (Q5895) LAU-68 F/A (2.75") ⁽⁵⁾	✓	2013	Arnold Defense / St. Louis, MO	C / FFP	NSWC	Aug 2013	Aug 2014	83	17,590.36	Y		Apr 2009
3.1) (Q5895) LAU-68 F/A (2.75") ⁽⁵⁾	✓	2014	Arnold Defense / St. Louis, MO	C / FFP	NSWC	Sep 2014	Sep 2015	770	17,219.78	Y		Apr 2009
3.1) (Q5895) LAU-68 F/A (2.75") ⁽⁵⁾		2015	Arnold Defense / St. Louis, MO	C / FFP	NSWC	Aug 2015	Aug 2016	50	17,560.29	Y		Apr 2009
3.1) (Q5895) LAU-68 F/A (2.75") ⁽⁵⁾		2016	Arnold Defense / St. Louis, MO	C / FFP	NSWC	Aug 2016	Aug 2017	48	17,897.89	Y		Apr 2009
3.2) (Q5900) LAU-61 G/A (2.75") DIGITAL ROCKET LAUNCHER ^{(6)(†)}		2014	Arnold Defense / St. Louis, MO	SS / FFP	NSWC	Jul 2014	Feb 2016	113	56,212.35	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1			P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types					Aggregated Items: Airborne Rockets, All Types				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.2) (Q5900) LAU-61 G/A (2.75") DIGITAL ROCKET LAUNCHER (6)(†)		2015	Arnold Defense / St. Louis, MO	SS / FFP	NSWC	Jun 2015	Feb 2017	27	57,301.07	Y		
3.2) (Q5900) LAU-61 G/A (2.75") DIGITAL ROCKET LAUNCHER (6)(†)		2016	Arnold Defense / St. Louis, MO	SS / FFP	NSWC	Jun 2016	Feb 2018	29	58,470.48	Y		
4) APKWS												
4.1) (Q5896) APKWS G&C SECTIONS(†)		2014	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVAIR HQ	Mar 2014	Oct 2014	1,302	27,291.00	Y		Oct 2012
4.1) (Q5896) APKWS G&C SECTIONS(†)	✓	2014	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVAIR HQ	Mar 2014	Oct 2014	70	27,291.00	Y		Oct 2012
4.1) (Q5896) APKWS G&C SECTIONS(†)		2015	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVAIR HQ	Dec 2014	Nov 2015	1,537	28,169.00	Y		Oct 2012
4.1) (Q5896) APKWS G&C SECTIONS(†)	✓	2015	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVAIR HQ	Dec 2014	Nov 2015	87	28,169.00	Y		Oct 2012
4.1) (Q5896) APKWS G&C SECTIONS(†)		2016	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVAIR HQ	Jan 2016	Dec 2016	1,774	28,704.21	Y		Oct 2012
4.1) (Q5896) APKWS G&C SECTIONS(†)	✓	2016	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVAIR HQ	Jan 2016	Dec 2016	60	28,704.21	Y		Oct 2012
(†) indicates the presence of a P-21												
Footnotes: (8) (Q5040) MK 66 ROCKET MOTOR (MOD 4): Contract was delayed due to a longer than expected source selection, which will cause a gap in the US deliveries, but not in production due to other services buys. (9) (Q5030) WTU1/B INERT WARHEAD: FY16 Baseline unit cost is dependent on total quantities procured by the Army. WTU-1/B warheads are procured via a competitive contract led by the Army. (10) (Q5030) WTU1/B INERT WARHEAD: Contract was delayed due to a longer than expected source selection. (11) (Q5898) M282 MULTI-PURPOSE PENETRATOR: MSR will be met with purchases from the Army												

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Exhibit P-21, Production Schedule: PB 2016 Navy																			Date: February 2015												
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Items (Units in Thousands)							Fiscal Year 2012												Fiscal Year 2013												
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	Calendar Year 2012												Calendar Year 2013												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
✓	4	2015	NAVY	.087	-	.087																									.087
	4	2016	NAVY	1.774	-	1.774																									1.774
✓	4	2016	NAVY	.060	-	.060																									.060
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Navy																			Date: February 2015																		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types										Aggregated Items: Airborne Rockets, All Types																	
Items (Units in Thousands)							Fiscal Year 2014										Fiscal Year 2015																				
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014																	Calendar Year 2015										B A L			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
1) Rockets Hardware																																					
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) ⁽¹⁾																																					
Prior Years Deliveries: 209119																																					
	1	2013	NAVY	10.431	-	10.431	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.869	.869	.869	.869	.869	.869	.869	.869	.869	.870	.870	.870					
✓	1	2013	NAVY	40.846	-	40.846	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.403	3.403	3.403	3.403	3.403	3.403	3.403	3.404	3.404	3.405	3.405	3.405	3.405				
	1	2014	NAVY	16.866 (12)	-	16.866												A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			16.866	
✓	1	2014	NAVY	12.370	-	12.370												A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			12.370	
	1	2015	NAVY	29.236	-	29.236																						A -	-	-	-	-	-	-			29.236
✓	1	2015	NAVY	3.916	-	3.916																						A -	-	-	-	-	-	-			3.916
	1	2016	NAVY	18.852	-	18.852																															18.852
✓	1	2016	NAVY	3.456	-	3.456																															3.456
2) Rocket Warheads																																					
2.6) (Q5899) MK 152 WARHEAD																																					
Prior Years Deliveries: 24576																																					
	2	2013	NAVY	1.460	-	1.460	-	-	-	.121	.121	.121	.121	.122	.122	.122	.122	.122	.122	.122	.122	.122													-		
✓	2	2013	NAVY	17.879	-	17.879	-	-	-	1.489	1.490	1.490	1.490	1.490	1.490	1.490	1.490	1.490	1.490	1.490	1.490	1.490													-		
✓	2	2014	NAVY	6.369	-	6.369			A -	-	-	-	-	-	-	-	-	-	-	-	-	.530	.530	.530	.531	.531	.531	.531	.531	.531	.531	.531			1.593		
	2	2015	NAVY	.648	-	.648																A -	-	-	-	-	-	-	-	-	-	-	-			.648	
✓	2	2015	NAVY	3.017	-	3.017																A -	-	-	-	-	-	-	-	-	-	-	-			3.017	
✓	2	2016	NAVY	3.325	-	3.325																														3.325	
3) Rocket Launchers																																					
3.2) (Q5900) LAU-61 G/A (2.75") DIGITAL ROCKET LAUNCHER ⁽⁶⁾																																					
Prior Years Deliveries: 22																																					
	3	2014	NAVY	.113	-	.113										A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			.113	
	3	2015	NAVY	.027	-	.027																							A -	-	-	-	-			.027	
	3	2016	NAVY	.029	-	.029																														.029	
4) APKWS																																					
4.1) (Q5896) APKWS G&C SECTIONS																																					
Prior Years Deliveries: 3308																																					
	4	2014	NAVY	1.302	-	1.302						A -	-	-	-	-	-	-	.109	.109	.109	.109	.109	.109	.109	.108	.108	.108	.108	.108	.108			-			
✓	4	2014	NAVY	.070	-	.070						A -	-	-	-	-	-	-	.070																-		
	4	2015	NAVY	1.537	-	1.537																A -	-	-	-	-	-	-	-	-	-	-	-	-			1.537
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						

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Exhibit P-21, Production Schedule: PB 2016 Navy															Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types										Aggregated Items: Airborne Rockets, All Types									

Items <i>(Units in Thousands)</i>							Fiscal Year 2014										Fiscal Year 2015														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014										Calendar Year 2015										B A L				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P
✓	4	2015	NAVY	.087	-	.087														A -	-	-	-	-	-	-	-	-	-	.087	
	4	2016	NAVY	1.774	-	1.774																								1.774	
✓	4	2016	NAVY	.060	-	.060																								.060	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types													Aggregated Items: Airborne Rockets, All Types														
Items <i>(Units in Thousands)</i>							Fiscal Year 2016											Fiscal Year 2017																			
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016																		Calendar Year 2017												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
1) Rockets Hardware																																					
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) ⁽¹⁾																																					
Prior Years Deliveries: 209119																																					
	1	2013	NAVY	10.431	9.561	.870	.870																											-			
✓	1	2013	NAVY	40.846	37.441	3.405	3.405																											-			
	1	2014	NAVY	16.866 ⁽¹²⁾	-	16.866	-	1.406	1.406	1.406	1.406	1.406	1.406	1.405	1.405	1.405	1.405	1.405	1.405															-			
✓	1	2014	NAVY	12.370	-	12.370	-	1.030	1.030	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031															-				
	1	2015	NAVY	29.236	-	29.236	-	-	-	-	-	-	-	-	-	-	-	-	2.436	2.436	2.436	2.436	2.436	2.436	2.436	2.436	2.436	2.437	2.437	2.437	2.437						
✓	1	2015	NAVY	3.916	-	3.916	-	-	-	-	-	-	-	-	-	-	-	-	.326	.326	.326	.326	.326	.326	.326	.326	.326	.327	.327	.327	.327						
	1	2016	NAVY	18.852	-	18.852								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.852						
✓	1	2016	NAVY	3.456	-	3.456								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.456						
2) Rocket Warheads																																					
2.6) (Q5899) MK 152 WARHEAD																																					
Prior Years Deliveries: 24576																																					
	2	2013	NAVY	1.460	1.460	-																											-				
✓	2	2013	NAVY	17.879	17.879	-																											-				
✓	2	2014	NAVY	6.369	4.776	1.593	.531	.531	.531																				-								
	2	2015	NAVY	.648	-	.648	-	-	-	.054	.054	.054	.054	.054	.054	.054	.054	.054	.054	.054	.054													-			
✓	2	2015	NAVY	3.017	-	3.017	-	-	-	.251	.251	.251	.251	.251	.251	.251	.252	.252	.252	.252	.252													-			
✓	2	2016	NAVY	3.325	-	3.325				A -	-	-	-	-	-	-	-	-	-	-	.277	.277	.277	.277	.277	.277	.277	.277	.277	.277	.832						
3) Rocket Launchers																																					
3.2) (Q5900) LAU-61 G/A (2.75") DIGITAL ROCKET LAUNCHER ⁽⁶⁾																																					
Prior Years Deliveries: 22																																					
	3	2014	NAVY	.113	-	.113	-	-	-	-	.009	.009	.009	.009	.009	.009	.009	.010	.010	.010	.010	.010													-		
	3	2015	NAVY	.027	-	.027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.011						
	3	2016	NAVY	.029	-	.029									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.029							
4) APKWS																																					
4.1) (Q5896) APKWS G&C SECTIONS																																					
Prior Years Deliveries: 3308																																					
	4	2014	NAVY	1.302	1.302	-																											-				
✓	4	2014	NAVY	.070	.070	-																											-				
	4	2015	NAVY	1.537	-	1.537	-	.128	.128	.128	.128	.128	.128	.128	.128	.128	.128	.128	.128															-			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015													
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types													Aggregated Items: Airborne Rockets, All Types													
Items <i>(Units in Thousands)</i>							Fiscal Year 2016													Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016													Calendar Year 2017													B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
✓	4	2015	NAVY	.087	-	.087	-	.087																							-		
	4	2016	NAVY	1.774	-	1.774				A -	-	-	-	-	-	-	-	-	-	.148	.148	.148	.148	.148	.148	.148	.148	.148	.148	.148	.294		
✓	4	2016	NAVY	.060	-	.060				A -	-	-	-	-	-	-	-	-	-	.060											-		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015																	
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types										Aggregated Items: Airborne Rockets, All Types																	
Items <i>(Units in Thousands)</i>							Fiscal Year 2018										Fiscal Year 2019																				
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018										Calendar Year 2019																				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						
1) Rockets Hardware																																					
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) ⁽¹⁾																																					
Prior Years Deliveries: 209119																																					
	1	2013	NAVY	10.431	10.431	-																											-				
✓	1	2013	NAVY	40.846	40.846	-																											-				
	1	2014	NAVY	16.866 ⁽¹²⁾	16.866	-																											-				
✓	1	2014	NAVY	12.370	12.370	-																											-				
	1	2015	NAVY	29.236	26.799	2.437																											2.437	-			
✓	1	2015	NAVY	3.916	3.589	.327																											.327	-			
	1	2016	NAVY	18.852	-	18.852	-	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	1.571	-						
✓	1	2016	NAVY	3.456	-	3.456	-	.288	.288	.288	.288	.288	.288	.288	.288	.288	.288	.288	.288	.288	.288	.288	.288	.288	.288	.288	.288	.288	.288	.288	.288	-					
2) Rocket Warheads																																					
2.6) (Q5899) MK 152 WARHEAD																																					
Prior Years Deliveries: 24576																																					
	2	2013	NAVY	1.460	1.460	-																											-				
✓	2	2013	NAVY	17.879	17.879	-																											-				
✓	2	2014	NAVY	6.369	6.369	-																											-				
	2	2015	NAVY	.648	.648	-																											-				
✓	2	2015	NAVY	3.017	3.017	-																											-				
✓	2	2016	NAVY	3.325	2.493	.832																											.277	.277	.278	-	
3) Rocket Launchers																																					
3.2) (Q5900) LAU-61 G/A (2.75") DIGITAL ROCKET LAUNCHER ⁽⁶⁾																																					
Prior Years Deliveries: 22																																					
	3	2014	NAVY	.113	.113	-																											-				
	3	2015	NAVY	.027	.016	.011																											.002	.003	.003	.003	-
	3	2016	NAVY	.029	-	.029																											-	-	-	-	.002
4) APKWS																																					
4.1) (Q5896) APKWS G&C SECTIONS																																					
Prior Years Deliveries: 3308																																					
	4	2014	NAVY	1.302	1.302	-																											-				
✓	4	2014	NAVY	.070	.070	-																											-				
	4	2015	NAVY	1.537	1.537	-																											-				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						

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Exhibit P-21, Production Schedule: PB 2016 Navy																			Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types												Aggregated Items: Airborne Rockets, All Types												
Items (Units in Thousands)							Fiscal Year 2018												Fiscal Year 2019												
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
✓	4	2015	NAVY	.087	.087	-																								-	
	4	2016	NAVY	1.774	1.480	.294	.147	.147																						-	
✓	4	2016	NAVY	.060	.060	-																								-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Navy								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1					P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types				Aggregated Items: Airborne Rockets, All Types		

		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	General Dynamics - Burlington, VT	3,600	300,000	552,000	-	-	-	-	-	8	18	26
2	NSWC INDIAN HEAD DIV - Indian Head, MD	1,500	8,000	100,000	-	-	-	-	-	4	12	16
3	Arnold Defense - St. Louis, MO	9	142	285	-	6	-	6	-	9	14	23
4	BAE SYSTEMS - NASHUA, NH	200	1,000	10,000	-	-	-	-	-	2	11	13

"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:

⁽¹²⁾ (Q5040) MK 66 ROCKET MOTOR (MOD 4): Contract was delayed due to a longer than expected source selection which will cause a gap in the US deliveries, but not in production due to other services buys.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition							P-1 Line Item Number / Title: 0155 / Machine Gun Ammunition					
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>	576.624	28.566	23.757	20.340	3.603	23.943	20.726	21.071	21.507	21.895	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	576.624	28.566	23.757	20.340	3.603	23.943	20.726	21.071	21.507	21.895	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	576.624	28.566	23.757	20.340	3.603	23.943	20.726	21.071	21.507	21.895	Continuing	Continuing
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Provides for procurement of 20MM/25MM ammunition that supports various aircraft gun systems for several Type/Model/Series (T/M/S) aircraft. The ammunition procurements fall into three categories: Target Practice (TP), High Explosive Incendiary (HEI), and Inert. The TP and Inert rounds are used for training. The HEI rounds are used for warfighting and training and also include Semi Armor Piercing High Explosive Incendiary (SAPHEI) rounds. All 20MM/25MM ammunition is procured by the Joint Munitions Command, Rock Island, Illinois and Naval Surface Warfare Center, Indian Head Detachment, Picatinny, New Jersey. 20MM rounds are procured in both linkless and linked configurations. The linkless (or bulk) rounds are used in the M61A1/A2 Gun Systems in the F/A-18 aircraft and the M197 Linkless Feed Gun System on the AH-1W/Z aircraft. The linked rounds are used in the M197 gun on AH-1W aircraft and MH60 aircraft for the Fixed Forward Firing Weapon (FFFW). 25MM rounds are procured in the linkless configuration and are used in the GAU-12 Gun System in the AV-8B aircraft.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition				P-1 Line Item Number / Title: 0155 / Machine Gun Ammunition			
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
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Machine Gun Ammunition	P-5, P-5a, P-21		- / 576.624	- / 28.566	- / 23.757	- / 20.340	- / 3.603
Total Gross/Weapon System Cost			- / 576.624	- / 28.566	- / 23.757	- / 20.340	- / 3.603
*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:

FY2016 baseline funding is required to meet Naval Munitions Requirements Process (NMRP) inventory requirements. Provides for procurement of 20MM/25MM ammunition that supports various aircraft gun systems for several Type/Model/Series (T/M/S) aircraft.

OCO:

FY2016 Overseas Contingency Operation (OCO) is required to replenish stocks depleted in support of Operation Freedom's Sentinel (OFS) and current combat and training expenditures. Current ammo expenditure rates for bulk ammunition on the AH-1 Cobra and F/A-18 Hornet have depleted current stocks below required inventory levels putting fleet readiness at risk; current inventories are being depleted and spot shortage will negatively impact the availability of ammunition In Support Of (ISO) shipfill, forward positioning and combat requirements.

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0155 / Machine Gun Ammunition						Item Number / Title [DODIC]: 1 / Machine Gun Ammunition							
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)				576.624		28.566		23.757		20.340		3.603		23.943					
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Net Procurement (P1) (\$ in Millions)				576.624		28.566		23.757		20.340		3.603		23.943					
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Total Obligation Authority (\$ in Millions)				576.624		28.566		23.757		20.340		3.603		23.943					
(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)
Hardware - Machine Gun Ammunition Cost																			
Recurring Cost																			
1.1.1) (Q4010) 20MM LINKLESS, TP ^(†) (1)		17.66	11,672,119	206.149	10.05	390,547	3.925	-	-	-	10.44	578,220	6.037	-	-	-	10.44	578,220	6.037
1.1.2) (Q4050) 20MM LINKLESS, HEI ^(†)		39.19	2,698,078	105.742	21.30	811,361	17.282	21.70	594,193	12.894	22.14	346,341	7.668	22.14	162,737	3.603	22.14	509,078	11.271
1.1.3) (Q4060) 20MM LINKED, TP ^(†) (2)		29.39	3,487,273	102.475	-	-	-	16.08	257,524	4.141	-	-	-	-	-	-	-	-	-
1.1.4) (Q4070) 20MM LINKED, HEI		112.39	673,448	75.690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) (Q4080) 20MM LINKLESS, TP-T ^(†) (3)		16.76	730,480	12.243	15.91	145,065	2.308	-	-	-	16.54	96,735	1.600	-	-	-	16.54	96,735	1.600
1.1.6) (Q4090) 25MM LINKLESS, TP ^(†) (4)		17.77	465,271	8.267	18.84	122,452	2.307	-	-	-	19.59	117,406	2.300	-	-	-	19.59	117,406	2.300
1.1.7) (Q4150) 25MM LINKLESS, HEI ^(†) (5)		56.71	305,870	17.346	-	-	-	40.12	99,700	4.000	-	-	-	-	-	-	-	-	-
1.1.8) (Q4200) INERT ROUND ^(†)		33.51	20,235	0.678	19.47	5,136	0.100	19.84	5,040	0.100	20.24	4,940	0.100	-	-	-	20.24	4,940	0.100
Subtotal: Recurring Cost		-	-	528.590	-	-	25.922	-	-	21.135	-	-	17.705	-	-	3.603	-	-	21.308
Subtotal: Hardware - Machine Gun Ammunition Cost		-	-	528.590	-	-	25.922	-	-	21.135	-	-	17.705	-	-	3.603	-	-	21.308
Support - Product Improvement Cost																			

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Exhibit P-5, Cost Analysis: PB 2016 Navy											Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0155 / Machine Gun Ammunition						Item Number / Title [DODIC]: 1 / Machine Gun Ammunition						
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)
2.1) (Q4850) Machine Gun Ammunition	-	-	9.906	-	-	0.652	-	-	0.663	-	-	0.674	-	-	-	-	-	0.674
Subtotal: Support - Product Improvement Cost	-	-	9.906	-	-	0.652	-	-	0.663	-	-	0.674	-	-	-	-	-	0.674
Support - Integrated Logistics Cost																		
3.1) (Q4800) Machine Gun Ammunition	-	-	6.810	-	-	0.663	-	-	0.624	-	-	0.632	-	-	-	-	-	0.632
Subtotal: Support - Integrated Logistics Cost	-	-	6.810	-	-	0.663	-	-	0.624	-	-	0.632	-	-	-	-	-	0.632
Support - Production Engineering Cost																		
4.1) (Q4830) Machine Gun Ammunition	-	-	31.318	-	-	1.329	-	-	1.335	-	-	1.329	-	-	-	-	-	1.329
Subtotal: Support - Production Engineering Cost	-	-	31.318	-	-	1.329	-	-	1.335	-	-	1.329	-	-	-	-	-	1.329
Gross/Weapon System Cost	-	-	576.624	-	-	28.566	-	-	23.757	-	-	20.340	-	-	3.603	-	-	23.943

(†) indicates the presence of a P-5a

Footnotes:

(1) [(Q4010) 20MM LINKLESS, TP]: FY15 procurement buy was decreased in order to fund the 20MM Linked to support requirements of the MH60 Fixed Forward Firing Weapons training. FY16 through FY20 funding reflects an increase in procurement of items every other year to obtain the most economical buys.

(2) [(Q4060) 20MM LINKED, TP]: FY15 was increased in order to support requirements of the MH60 Fixed Forward Firing Weapons training. The Linked verses the 20MM Linkless, TP are a more urgent requirement. FY14 through FY20 funding reflects an increase in procurement of items every other year to obtain the most economical buys.

(3) [(Q4080) 20MM LINKLESS, TP-T]: FY14 through FY20 funding reflects an increase in procurement of items every other year to obtain the most economical buys.

(4) [(Q4090) 25MM LINKLESS, TP]: FY14 through FY20 funding reflects an increase in procurement of items every other year to obtain the most economical buys.

(5) [(Q4150) 25MM LINKLESS, HEI]: FY14 through FY20 funding reflects an increase in procurement of items every other year to obtain the most economical buys.

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0155 / Machine Gun Ammunition				Item Number / Title [DODIC]: 1 / Machine Gun Ammunition				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) (Q4010) 20MM LINKLESS, TP ^(t)		2013	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Sep 2013	Mar 2015	528,875	9.87	Y		Sep 2008
1.1.1) (Q4010) 20MM LINKLESS, TP ^(t)	✓	2013	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Sep 2013	Mar 2015	1,151,266	9.87	Y		Sep 2008
1.1.1) (Q4010) 20MM LINKLESS, TP ^(t)		2014	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Jul 2014	Nov 2015	390,547	10.05	Y		Sep 2013
1.1.1) (Q4010) 20MM LINKLESS, TP ^(t)		2016	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2016	Apr 2017	578,220	10.44	Y		Sep 2013
1.1.2) (Q4050) 20MM LINKLESS, HEI ^(t)		2013	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Sep 2013	Mar 2015	279,397	20.92	Y		Sep 2008
1.1.2) (Q4050) 20MM LINKLESS, HEI ^(t)	✓	2013	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Sep 2013	Mar 2015	262,906	20.92	Y		Sep 2008
1.1.2) (Q4050) 20MM LINKLESS, HEI ^(t)		2014	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Jul 2014	Nov 2015	422,535	21.30	Y		Sep 2013
1.1.2) (Q4050) 20MM LINKLESS, HEI ^(t)	✓	2014	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Jul 2014	Nov 2015	388,826	21.30	Y		Sep 2013
1.1.2) (Q4050) 20MM LINKLESS, HEI ^(t)		2015	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2015	Apr 2016	434,147	21.70	Y		Sep 2013
1.1.2) (Q4050) 20MM LINKLESS, HEI ^(t)	✓	2015	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2015	Apr 2016	160,046	21.70	Y		Sep 2013
1.1.2) (Q4050) 20MM LINKLESS, HEI ^(t)		2016	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2016	Apr 2017	346,341	22.14	Y		Sep 2013
1.1.2) (Q4050) 20MM LINKLESS, HEI ^(t)	✓	2016	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2016	Apr 2017	162,737	22.14	Y		Sep 2013
1.1.3) (Q4060) 20MM LINKED, TP		2015	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2015	Apr 2016	257,524	16.08	Y		Sep 2013
1.1.5) (Q4080) 20MM LINKLESS, TP-T ^(t)		2014	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOISJMC ROCK ISLAND, ILLINOIS	Jul 2014	Nov 2015	145,065	15.91	N		Sep 2013
1.1.5) (Q4080) 20MM LINKLESS, TP-T ^(t)		2016	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOISJMC ROCK ISLAND, ILLINOIS	Apr 2016	Apr 2017	96,735	16.54	N		Sep 2013
1.1.6) (Q4090) 25MM LINKLESS, TP ^(t)		2013	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Sep 2013	Sep 2014	96,164	18.51	Y		Sep 2008
1.1.6) (Q4090) 25MM LINKLESS, TP ^(t)	✓	2013	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Sep 2013	Sep 2014	81,037	18.51	Y		Sep 2008

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1			P-1 Line Item Number / Title: 0155 / Machine Gun Ammunition					Item Number / Title [DODIC]: 1 / Machine Gun Ammunition				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.6) (Q4090) 25MM LINKLESS, TP ^(†)		2014	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Jul 2014	Sep 2015	122,452	18.84	Y		Sep 2013
1.1.6) (Q4090) 25MM LINKLESS, TP ^(†)		2016	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2016	Apr 2017	117,406	19.59	Y		Sep 2013
1.1.7) (Q4150) 25MM LINKLESS, HEI		2013	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2013	Apr 2014	81,788	36.68	Y		Sep 2008
1.1.7) (Q4150) 25MM LINKLESS, HEI	✓	2013	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2013	Apr 2014	40,894	36.68	Y		Sep 2008
1.1.7) (Q4150) 25MM LINKLESS, HEI		2015	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Apr 2015	Apr 2016	99,700	40.12	Y		Sep 2013
1.1.8) (Q4200) INERT ROUND		2013	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	NSWC INDIAN HEAD, MD	Sep 2013	Mar 2014	5,227	19.13	Y		Nov 2011
1.1.8) (Q4200) INERT ROUND		2014	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	NSWC INDIAN HEAD, MD	Sep 2014	Feb 2015	5,136	19.47	Y		Nov 2011
1.1.8) (Q4200) INERT ROUND		2015	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	NSWC INDIAN HEAD, MD	Aug 2015	Feb 2016	5,040	19.84	Y		Nov 2014
1.1.8) (Q4200) INERT ROUND		2016	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	NSWC INDIAN HEAD, MD	Aug 2016	Feb 2017	4,940	20.24	Y		Nov 2014
(†) 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: 1508N / 01 / 1							P-1 Line Item Number / Title: 0155 / Machine Gun Ammunition												Item Number / Title [DODIC]: 1 / Machine Gun Ammunition													
Cost Elements (Units in Millions (* = < 500 units))							Fiscal Year 2013												Fiscal Year 2014													
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 2	BAL DUE AS OF 1 OCT	Calendar Year 2013												Calendar Year 2014												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
1.1.1) (Q4010) 20MM LINKLESS, TP ⁽¹⁾																																
Prior Years Deliveries: 9991978																																
	1	2013	NAVY	.529 ⁽⁶⁾	-	.529												A -	-	-	-	-	-	-	-	-	-	-	-	-	-	.529
✓	1	2013	NAVY	1.151	-	1.151												A -	-	-	-	-	-	-	-	-	-	-	-	-	-	1.151
	1	2014	NAVY	.391 ⁽⁷⁾	-	.391																						A -	-	-	-	.391
	1	2016	NAVY	.578	-	.578																										.578
1.1.2) (Q4050) 20MM LINKLESS, HEI																																
Prior Years Deliveries: 2155775																																
	2	2013	NAVY	.279 ⁽⁸⁾	-	.279												A -	-	-	-	-	-	-	-	-	-	-	-	-	-	.279
✓	2	2013	NAVY	.263	-	.263												A -	-	-	-	-	-	-	-	-	-	-	-	-	-	.263
	2	2014	NAVY	.423 ⁽⁹⁾	-	.423																						A -	-	-	-	.423
✓	2	2014	NAVY	.389	-	.389																						A -	-	-	-	.389
	2	2015	NAVY	.434	-	.434																										.434
✓	2	2015	NAVY	.160	-	.160																										.160
	2	2016	NAVY	.346	-	.346																										.346
✓	2	2016	NAVY	.163	-	.163																										.163
1.1.5) (Q4080) 20MM LINKLESS, TP-T ⁽³⁾																																
Prior Years Deliveries: 730480																																
	3	2014	NAVY	.145	-	.145																							A -	-	-	.145
	3	2016	NAVY	.097	-	.097																										.097
1.1.6) (Q4090) 25MM LINKLESS, TP ⁽⁴⁾																																
Prior Years Deliveries: 288070																																
	4	2013	NAVY	.096	-	.096												A -	-	-	-	-	-	-	-	-	-	-	-	-	.008	.088
✓	4	2013	NAVY	.081	-	.081												A -	-	-	-	-	-	-	-	-	-	-	-	-	.007	.074
	4	2014	NAVY	.122	-	.122																							A -	-	-	.122
	4	2016	NAVY	.117	-	.117																										.117
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																			Date: February 2015																			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0155 / Machine Gun Ammunition										Item Number / Title [DODIC]: 1 / Machine Gun Ammunition																		
Cost Elements (Units in Millions (* = < 500 units))							Fiscal Year 2015													Fiscal Year 2016																		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 4	BAL DUE AS OF 1 OCT	Calendar Year 2015													Calendar Year 2016													B A L					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								
1.1.1) (Q4010) 20MM LINKLESS, TP ⁽¹⁾																																						
Prior Years Deliveries: 9991978																																						
	1	2013	NAVY	.529 ⁽⁶⁾	-	.529	-	-	-	-	-	.066	.066	.066	.066	.066	.066	.066																-				
✓	1	2013	NAVY	1.151	-	1.151	-	-	-	-	-	.144	.144	.144	.144	.144	.144	.144																-				
	1	2014	NAVY	.391 ⁽⁷⁾	-	.391	-	-	-	-	-	-	-	-	-	-	-	-	.039	.039	.039	.039	.039	.039	.039	.039	.039	.039	.039	.039	-	-	-	-	-	-	.578	
	1	2016	NAVY	.578	-	.578																																
1.1.2) (Q4050) 20MM LINKLESS, HEI																																						
Prior Years Deliveries: 2155775																																						
	2	2013	NAVY	.279 ⁽⁸⁾	-	.279	-	-	-	-	-	.035	.035	.035	.035	.035	.035	.035																-				
✓	2	2013	NAVY	.263	-	.263	-	-	-	-	-	.033	.033	.033	.033	.033	.033	.033																-				
	2	2014	NAVY	.423 ⁽⁹⁾	-	.423	-	-	-	-	-	-	-	-	-	-	-	-	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038	.038
✓	2	2014	NAVY	.389	-	.389	-	-	-	-	-	-	-	-	-	-	-	-	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	.035	
	2	2015	NAVY	.434	-	.434							A -	-	-	-	-	-	-	-	-	-	-	-	-	.036	.036	.036	.036	.036	.036	.036	.036	.036	.036	.217		
✓	2	2015	NAVY	.160	-	.160							A -	-	-	-	-	-	-	-	-	-	-	-	-	.013	.013	.013	.013	.013	.013	.013	.013	.013	.013	.080		
	2	2016	NAVY	.346	-	.346																														.346		
✓	2	2016	NAVY	.163	-	.163																					A -	-	-	-	-	-	-	-	-	.163		
1.1.5) (Q4080) 20MM LINKLESS, TP-T ⁽³⁾																																						
Prior Years Deliveries: 730480																																						
	3	2014	NAVY	.145	-	.145	-	-	-	-	-	-	-	-	-	-	-	-	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012	.012		
	3	2016	NAVY	.097	-	.097																					A -	-	-	-	-	-	-	-	.097			
1.1.6) (Q4090) 25MM LINKLESS, TP ⁽⁴⁾																																						
Prior Years Deliveries: 288070																																						
	4	2013	NAVY	.096	.008	.088	.008	.008	.008	.008	.008	.008	.008	.008	.008	.008																			-			
✓	4	2013	NAVY	.081	.007	.074	.007	.007	.007	.007	.007	.007	.007	.007	.007	.007																			-			
	4	2014	NAVY	.122	-	.122	-	-	-	-	-	-	-	-	-	-	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010	.010	-	-	-	-	-	
	4	2016	NAVY	.117	-	.117																						A -	-	-	-	-	-	-	-	.117		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							

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Exhibit P-21, Production Schedule: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1					P-1 Line Item Number / Title: 0155 / Machine Gun Ammunition				Item Number / Title [DODIC]: 1 / Machine Gun Ammunition			
		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	GENERAL DYNAMICS OTS/ ATK - MARION, IL / LAKE CITY, MO	500,000	2,350,000	3,350,000	-	-	-	-	6	7	12	19
2	GENERAL DYNAMICS OTS/ ATK - MARION, IL / LAKE CITY, MO	125,000	1,250,000	2,000,000	-	-	-	-	6	7	12	19
3	GENERAL DYNAMICS OTS/ ATK - MARION, IL / LAKE CITY, MO	5,000	100,000	272,000	-	-	-	-	6	7	12	19
4	GENERAL DYNAMICS OTS/ ATK - MARION, IL / LAKE CITY, MO	5,400	100,000	272,000	-	-	-	-	6	7	12	19

"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:

⁽⁶⁾ (Q4010) Scheduled reflect production increase from both manufactures to offset delays due to primer component sub-vendor 7 months production shutdown.

⁽⁷⁾ (Q4010) Items procured every other year in order to obtain the most economical buys do not have a negative impact on the production line due to most configurations using common components.

⁽⁸⁾ (Q4050) Schedules reflect production increases from both manufactures to offset delays due to primer component sub-vendor 7 month production shutdown.

⁽⁹⁾ (Q4050) 20MM LINKLESS, HEIJ: Production rate values are in the thousands. Max production note reflects more accurate data. Production rate has not changed.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition							P-1 Line Item Number / Title: 0160 / Practice Bombs					
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>	760.127	31.473	26.701	40.365	-	40.365	43.103	53.422	53.861	54.833	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	760.127	31.473	26.701	40.365	-	40.365	43.103	53.422	53.861	54.833	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	760.127	31.473	26.701	40.365	-	40.365	43.103	53.422	53.861	54.833	Continuing	Continuing
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Description: The purpose of the Practice Bombs program is to procure a variety of practice bombs as a low cost alternative to expenditures of live bombs for training. These practice bombs support training for various Navy and Marine Corps aircraft. The various MK series bombs, procured through this PE/BLI, are procured by the Joint Munitions Command, the Single Manager for Conventional Ammunition. [P5 / Q1010 MK-76]: The MK-76 is a 25lb tear dropped shaped practice bomb that simulates a MK-82 low drag configuration used by the Navy. [P5 / Q1050 BLU-109 INERT]: The BLU-109 Inert is a full-scale 2,000lb inert Practice Bomb. Bomb body is filled with an inert material and has the same weight, size, center of gravity and ballistics of the live bomb. Item is procured by the Joint Munitions Command, Single Manager for Conventional Ammunition. [P5 / Q1300 LGTR]: The Laser Guided Training Round (LGTR) is procured directly by the Navy. This round enhances the effective use of the PAVEWAY II Laser Guided Bombs (LGB) precision guided weapon which requires coordination between the aircrew and the laser designator. Development of delivery options and multi-aircraft tactics require extensive, cost effective training. The LGTR is capable of replicating the kinematics of LGBs to provide increased training capability and follow-on advanced tactics development and is suitable for launch from all Navy and Marine Corps aircraft used to deploy LGBs. [P5 / Miscellaneous]: The Miscellaneous Items line includes low cost items such as M70 series cables, MK-89 Adapters, Arming Wires, Lugs, Nose Plugs, containers, etc. [P5 / Q1850 Product Improvement Program (PIP)]: The PIP cost element funds efforts to investigate and incorporate design changes to address manufacturing, production and minor technology insertions to modify and improve practice stores system reliability and producibility.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition					P-1 Line Item Number / Title: 0160 / Practice Bombs			
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 (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Practice Bombs	P-5, P-5a, P-21		- / 760.127	- / 31.473	- / 26.701	- / 40.365	- / -	- / 40.365
Total Gross/Weapon System Cost			- / 760.127	- / 31.473	- / 26.701	- / 40.365	- / -	- / 40.365
*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: FY16 funds the baseline program. The increase in FY16 funding is for replenishment of inventories where training rounds expended outpaced rounds being procured in prior years. Procurement is needed to support the Non-Combat Expenditure Allocation (NCEA) minimum requirements. This budget supports critical Navy Title 10 war reserve/operational, training, and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and OPNAV INST 8011.9 (Navy Munitions Requirements Process). Practice Bomb procurements enable the Fleet to expend subscale and/or inert stores in lieu of significantly more expensive full scale and/or high explosive stores procured with General Purpose Bombs funding; thereby reducing the overall cost in achieving fleet training readiness levels. Training requirements support individual and collective training of Active and Reserve Component forces. Test requirements support the development, fielding, safety, and quality assurance of Navy munitions and equipment throughout their life cycle. Annual Non-Combat Expenditure Allowance (NCEA) utilization of practice stores prepares Naval Aviation units for deployment and is the largest driver of current and future munitions procurement. Procurements are primarily designed to replenish the practice bombs weapons used each year to achieve required readiness levels. Unlike procurement of capital assets, a large percentage of weapons are consumed in annual fleet training expenditures; thereby reducing the ability to simply slide procurements a year in response to budget reductions. Barring a reduction in fleet training expenditures and the correlating readiness degradation, any reductions in practice bombs procurements in a given year will have to be made up with increased procurements in the out years to restore inventory to a level adequate to support NCEA and fleet readiness.								

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0160 / Practice Bombs						Item Number / Title [DODIC]: 1 / Practice Bombs							
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)				760.127		31.473		26.701		40.365		-		40.365					
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Net Procurement (P1) (\$ in Millions)				760.127		31.473		26.701		40.365		-		40.365					
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-					
Total Obligation Authority (\$ in Millions)				760.127		31.473		26.701		40.365		-		40.365					
(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)
Hardware - Practice Bombs Cost																			
Recurring Cost																			
1.1.1) Q1061 BDU-48		-	-	5.395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.1.2) Q1010 MK-76 ^(†) (1)		93.29	87,723	8.184	-	-	-	57.36	83,892	4.812	58.45	132,044	7.718	-	-	-	58.45	132,044	7.718
1.1.3) Q1040 MK-82 INERT ^(†)		2,229.51	8,030	17.903	2,521.04	738	1.861	-	-	-	-	-	-	-	-	-	-	-	
1.1.4) Q1050 BLU-109 INERT ^(†) (2)		-	-	-	-	-	-	-	-	-	24,072.00	80	1.926	-	-	-	24,072.00	80	1.926
Subtotal: Recurring Cost		-	-	31.482	-	-	1.861	-	-	4.812	-	-	9.644	-	-	-	-	-	9.644
Subtotal: Hardware - Practice Bombs Cost		-	-	31.482	-	-	1.861	-	-	4.812	-	-	9.644	-	-	-	-	-	9.644
Hardware - Precision Guided Practice Bombs Cost																			
Recurring Cost																			
2.1.1) Q1300 LGTR ^(†) (3)		2,960.52	25,177	74.537	3,334.00	8,029	26.769	3,412.00	5,298	18.077	3,489.00	7,697	26.855	-	-	-	3,489.00	7,697	26.855
Subtotal: Recurring Cost		-	-	74.537	-	-	26.769	-	-	18.077	-	-	26.855	-	-	-	-	-	26.855
Subtotal: Hardware - Precision Guided Practice Bombs Cost		-	-	74.537	-	-	26.769	-	-	18.077	-	-	26.855	-	-	-	-	-	26.855
Hardware - Miscellaneous Cost																			
Recurring Cost																			

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0160 / Practice Bombs						Item Number / Title [DODIC]: 1 / Practice Bombs						
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)
3.1.1) Q1062 Miscellaneous Items (4)	-	-	3.114	-	-	-	-	-	0.928	-	-	0.944	-	-	-	-	-	0.944
Subtotal: Recurring Cost	-	-	3.114	-	-	-	-	-	0.928	-	-	0.944	-	-	-	-	-	0.944
Subtotal: Hardware - Miscellaneous Cost	-	-	3.114	-	-	-	-	-	0.928	-	-	0.944	-	-	-	-	-	0.944
Hardware - Prior Years Cost																		
Non Recurring Cost																		
4.1.1) Prior Years	-	-	630.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	630.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Prior Years Cost	-	-	630.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Integrated Logistics Cost																		
5.1) Q1800 Practice Bombs ILS	-	-	0.238	-	-	0.064	-	-	0.065	-	-	0.066	-	-	-	-	-	0.066
5.2) Q1800 Precision Guided Practice Bombs ILS	-	-	0.398	-	-	0.116	-	-	0.118	-	-	0.120	-	-	-	-	-	0.120
Subtotal: Support - Integrated Logistics Cost	-	-	0.636	-	-	0.180	-	-	0.183	-	-	0.186	-	-	-	-	-	0.186
Support - Production Engineering Cost																		
6.1) Q1830 Practice Bombs PES	-	-	3.194	-	-	1.008	-	-	1.021	-	-	1.032	-	-	-	-	-	1.032
6.2) Q1830 Precision Guided Practice Bombs PES	-	-	9.312	-	-	0.833	-	-	0.843	-	-	0.851	-	-	-	-	-	0.851
Subtotal: Support - Production Engineering Cost	-	-	12.506	-	-	1.841	-	-	1.864	-	-	1.883	-	-	-	-	-	1.883
Support - Miscellaneous Support Cost																		
7.1) Q1850 Product Improvement Program (PIP)	-	-	6.630	-	-	0.555	-	-	0.565	-	-	0.576	-	-	-	-	-	0.576
7.2) Q1894 Gaging	-	-	1.022	-	-	0.267	-	-	0.272	-	-	0.277	-	-	-	-	-	0.277
Subtotal: Support - Miscellaneous Support Cost	-	-	7.652	-	-	0.822	-	-	0.837	-	-	0.853	-	-	-	-	-	0.853
Gross/Weapon System Cost	-	-	760.127	-	-	31.473	-	-	26.701	-	-	40.365	-	-	-	-	-	40.365
(†) indicates the presence of a P-5a																		

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Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0160 / Practice Bombs	Item Number / Title [DODIC]: 1 / Practice Bombs
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
Footnotes: ⁽¹⁾ The FY13 MK-76 unit cost is based on Joint Munitions Command estimated pricing which includes initial production line startup cost and first article testing. The FY15 option year one unit costs are projected to be lower due to anticipated economies of scale achieved with other service procurements on the same contract. MK-76 is procured through the Single Manager for Conventional Ammunition process and contracted through the Joint Munitions Command. Fleet expenditures of MK-76s have continued unabated while the delay in contract award continues. Increased procurement levels beginning in FY16 are designed to restore the MK-79 inventory to levels required to support fleet training. ⁽²⁾ This procurement supports a newly established inventory baseline for fleet expenditures to meet current NCEA requirements. ⁽³⁾ Cost code 2.1.1) Q1300 LGTR has been changed from "Q1300 ELGTR" to correctly identify what commodity is actually being procured. ELGTR was originated by a contractor for the modification being implemented. The USN has never changed the title of this commodity in the supply system. FY16 are priced options to the FY13 base year LGTR contract. Increase in FY16 funding is for replenishment of inventories where training rounds expended outpaced rounds being procured in prior years. Procurement is needed to support the Non-Combat Expenditure Allocation (NCEA) minimum requirements. ⁽⁴⁾ Q1062 Miscellaneous Items - The increase from FY14 to FY15 is due to an alternative container requirement for LGTR.		

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0160 / Practice Bombs				Item Number / Title [DODIC]: 1 / Practice Bombs				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.2) Q1010 MK-76 ^(†)		2013 (5)	TBD / TBD	C / FFP	JMC, Rock Island, IL	May 2015	May 2017	87,723	93.29	Y		Feb 2013
1.1.2) Q1010 MK-76 ^(†)		2015	TBD / TBD	C / TBD	JMC, Rock Island, IL	May 2015	May 2017	83,892	57.36	Y		Feb 2013
1.1.2) Q1010 MK-76 ^(†)		2016	TBD / TBD	C / TBD	JMC, Rock Island, IL	May 2016	May 2018	132,044	58.45	Y		Feb 2013
1.1.3) Q1040 MK-82 INERT ^(†)		2012	General Dynamics / Garland, TX / MCAAP	SS / FP	JMC, Rock Island, IL	Feb 2012	Feb 2015	3,818	1,833.42	Y		Nov 2011
1.1.3) Q1040 MK-82 INERT ^(†)		2013	General Dynamics / Garland, TX / MCAAP	SS / FP	JMC, Rock Island, IL	Apr 2013	Apr 2016	1,229	2,469.00	Y		Nov 2012
1.1.3) Q1040 MK-82 INERT ^(†)		2014	General Dynamics / Garland, TX / MCAAP	SS / FP	JMC, Rock Island, IL	Apr 2014	Apr 2017	738	2,521.04	Y		Nov 2013
1.1.4) Q1050 BLU-109 INERT ^(†)		2016	TBD / TBD	SS / FP	JMC, Rock Island, IL	May 2016	May 2019	80	24,072.00	Y		Apr 2015
2.1.1) Q1300 LGTR ^(†)		2012	Lockheed Martin Corporation LGTR / Archbald, PA	SS / FP	NAVAIR, Pax River, MD	Feb 2012	Nov 2013	7,110	2,712.00	Y		Nov 2009
2.1.1) Q1300 LGTR ^(†)		2013	Lockheed Martin Corporation LGTR / Archbald, PA	SS / FP	NAVAIR, Pax River, MD	Nov 2013	Mar 2015	4,500	3,320.00	Y		Apr 2013
2.1.1) Q1300 LGTR ^(†)		2014	Lockheed Martin Corporation LGTR / Archbald, PA	SS / FP	NAVAIR, Pax River, MD	Mar 2014	Jul 2015	8,029	3,334.00	Y		Apr 2013
2.1.1) Q1300 LGTR ^(†)		2015	Lockheed Martin Corporation LGTR / Archbald, PA	SS / FP	NAVAIR, Pax River, MD	Mar 2015	Jul 2016	5,298	3,412.00	Y		Apr 2013
2.1.1) Q1300 LGTR ^(†)		2016	Lockheed Martin Corporation LGTR / Archbald, PA	SS / FP	NAVAIR, Pax River, MD	Mar 2016	Jul 2017	7,697	3,489.00	Y		Apr 2013

^(†) indicates the presence of a P-21

Footnotes:

⁽⁵⁾ The FY13 Contract awarded in Feb 2014 originally, the delivery date slipped due to protest. The contract was planned to re-award in Sept 2014 and again protested. Litigation is ongoing, projected awarded in May 2015.

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0160 / Practice Bombs										Item Number / Title [DODIC]: 1 / Practice Bombs															
Cost Elements (Units in Thousands)							Fiscal Year 2012										Fiscal Year 2013																		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	Calendar Year 2012																Calendar Year 2013												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
1.1.2) Q1010 MK-76 ⁽¹⁾																																			
	1	2013	NAVY	87.723	-	87.723																									87.723				
	1	2015	NAVY	83.892	-	83.892																									83.892				
	1	2016	NAVY	132.044	-	132.044																									132.044				
1.1.3) Q1040 MK-82 INERT																																			
Prior Years Deliveries: 2983																																			
	2	2012	NAVY	3.818 (6)	-	3.818					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.818				
	2	2013	NAVY	1.229	-	1.229																				A -	-	-	-	-	-	1.229			
	2	2014	NAVY	.738	-	.738																									.738				
1.1.4) Q1050 BLU-109 INERT ⁽²⁾																																			
	3	2016	NAVY	.080	-	.080																									.080				
2.1.1) Q1300 LGTR ⁽³⁾																																			
Prior Years Deliveries: 13567																																			
	4	2012	NAVY	7.110 (7)	-	7.110					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.110				
	4	2013	NAVY	4.500	-	4.500																									4.500				
	4	2014	NAVY	8.029	-	8.029																									8.029				
	4	2015	NAVY	5.298	-	5.298																									5.298				
	4	2016	NAVY	7.697	-	7.697																									7.697				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0160 / Practice Bombs										Item Number / Title [DODIC]: 1 / Practice Bombs															
Cost Elements (Units in Thousands)							Fiscal Year 2014										Fiscal Year 2015																		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014																Calendar Year 2015												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
1.1.2) Q1010 MK-76 ⁽¹⁾																																			
	1	2013	NAVY	87.723	-	87.723																											87.723		
	1	2015	NAVY	83.892	-	83.892																											83.892		
	1	2016	NAVY	132.044	-	132.044																											132.044		
1.1.3) Q1040 MK-82 INERT																																			
Prior Years Deliveries: 2983																																			
	2	2012	NAVY	3.818 (6)	-	3.818	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.318	.318	.318	.318	.318	.318	.318	.318	.318		1.274		
	2	2013	NAVY	1.229	-	1.229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		1.229		
	2	2014	NAVY	.738	-	.738																											.738		
1.1.4) Q1050 BLU-109 INERT ⁽²⁾																																			
	3	2016	NAVY	.080	-	.080																											.080		
2.1.1) Q1300 LGTR ⁽³⁾																																			
Prior Years Deliveries: 13567																																			
	4	2012	NAVY	7.110 (7)	-	7.110	-	.592	.592	.592	.592	.592	.592	.592	.592	.592	.592	.598															-		
	4	2013	NAVY	4.500	-	4.500		A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.350	.350	.350	.350	.350	.350	.350	.400		2.000			
	4	2014	NAVY	8.029	-	8.029						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		6.022			
	4	2015	NAVY	5.298	-	5.298																											5.298		
	4	2016	NAVY	7.697	-	7.697																											7.697		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0160 / Practice Bombs													Item Number / Title [DODIC]: 1 / Practice Bombs														
Cost Elements (Units in Thousands)							Fiscal Year 2016												Fiscal Year 2017																		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016																		Calendar Year 2017												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
1.1.2) Q1010 MK-76 ⁽¹⁾																																					
	1	2013	NAVY	87.723	-	87.723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.130	5.130	6.239	6.239	6.239	58.746					
	1	2015	NAVY	83.892	-	83.892	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.991	6.991	6.991	6.991	6.991	48.937					
	1	2016	NAVY	132.044	-	132.044								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	132.044						
1.1.3) Q1040 MK-82 INERT																																					
Prior Years Deliveries: 2983																																					
	2	2012	NAVY	3.818 (6)	2.544	1.274	.318	.318	.318	.320																					-						
	2	2013	NAVY	1.229	-	1.229	-	-	-	-	-	-	.098	.101	.101	.101	.101	.101	.101	.101	.106	.106	.106	.106							-						
	2	2014	NAVY	.738	-	.738	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.061	.061	.061	.061	.061	.061	.372						
1.1.4) Q1050 BLU-109 INERT ⁽²⁾																																					
	3	2016	NAVY	.080	-	.080								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.080						
2.1.1) Q1300 LGTR ⁽³⁾																																					
Prior Years Deliveries: 13567																																					
	4	2012	NAVY	7.110 (7)	7.110	-																									-						
	4	2013	NAVY	4.500	2.500	2.000	.400	.400	.400	.400	.400																				-						
	4	2014	NAVY	8.029	2.007	6.022	.669	.669	.669	.669	.669	.669	.669	.670																	-						
	4	2015	NAVY	5.298	-	5.298	-	-	-	-	-	-	-	-	.429	.429	.429	.434	.500	.500	.500	.500	.500	.500	.500	.500	.500	.500	.077		-						
	4	2016	NAVY	7.697	-	7.697							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.641	.641	.641	5.774				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0160 / Practice Bombs										Item Number / Title [DODIC]: 1 / Practice Bombs															
Cost Elements (Units in Thousands)							Fiscal Year 2018										Fiscal Year 2019																		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 7	BAL DUE AS OF 1 OCT	Calendar Year 2018																Calendar Year 2019												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
1.1.2) Q1010 MK-76 ⁽¹⁾																																			
	1	2013	NAVY	87.723	28.977	58.746	6.239	8.239	8.239	8.239	8.239	9.775	9.776																			-			
	1	2015	NAVY	83.892	34.955	48.937	6.991	6.991	6.991	6.991	6.991	6.991	6.991																			-			
	1	2016	NAVY	132.044	-	132.044	-	-	-	-	-	-	-	11.003	11.003	11.003	11.003	11.003	11.003	11.003	11.003	11.003	11.003	11.006	11.008					-					
1.1.3) Q1040 MK-82 INERT																																			
Prior Years Deliveries: 2983																																			
	2	2012	NAVY	3.818 (6)	3.818	-																										-			
	2	2013	NAVY	1.229	1.229	-																										-			
	2	2014	NAVY	.738	.366	.372	.061	.061	.061	.061	.061	.061	.067																			-			
1.1.4) Q1050 BLU-109 INERT ⁽²⁾																																			
	3	2016	NAVY	.080	-	.080	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.080					-		
2.1.1) Q1300 LGTR ⁽³⁾																																			
Prior Years Deliveries: 13567																																			
	4	2012	NAVY	7.110 (7)	7.110	-																										-			
	4	2013	NAVY	4.500	4.500	-																										-			
	4	2014	NAVY	8.029	8.029	-																										-			
	4	2015	NAVY	5.298	5.298	-																										-			
	4	2016	NAVY	7.697	1.923	5.774	.641	.641	.641	.641	.641	.641	.641	.641	.641	.646																	-		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

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Exhibit P-21, Production Schedule: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1					P-1 Line Item Number / Title: 0160 / Practice Bombs				Item Number / Title [DODIC]: 1 / Practice Bombs			
		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	TBD - TBD	40,000	200,000	300,000	-	8	24	32	-	-	-	-
2	General Dynamics - Garland, TX / MCAAP	21,359	38,544	100,200	-	7	36	43	-	7	36	43
3	TBD - TBD	1,344	2,323	6,480	-	8	36	44	-	-	-	-
4	Lockheed Martin Corporation LGTR - Archbald, PA	4,000	8,400	22,000	-	6	17	23	-	6	16	22

"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:

⁽⁶⁾ Gaps in delivery schedules for the MK-82's are due to Multi-Service deliveries with no impact to the program.

⁽⁷⁾ Gaps in delivery schedules for the LGTR are due to Multi-Service deliveries with no impact to the program.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition							P-1 Line Item Number / Title: 0180 / Cartridge Actuated Devices/Propellant Act Devices					
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)	607.497	53.764	50.866	49.377	-	49.377	57.801	57.814	57.015	58.040	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	607.497	53.764	50.866	49.377	-	49.377	57.801	57.814	57.015	58.040	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	607.497	53.764	50.866	49.377	-	49.377	57.801	57.814	57.015	58.040	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: Cartridge Actuated Devices/Propellant Act Devices (CAD/PAD) program's mission is to procure life-limited energetic devices utilized in aircraft egress and safety systems, personnel gear, and to release a weapon or other store from the USN and USMC aircraft platforms. The CAD/PAD yearly requirement is modeled based upon the active aircraft in OPNAV's All report and the assigned service life of the individual CAD/PADs. Due to the individually unique service lives, the yearly requirement of items and their respective quantities is variable. [P40A / Hardware-Stores Release]: Stores Release cartridges are utilized to release weapons and other stores from aircraft. The JAU-22/B impulse cartridge is utilized to eject sonobouys. The CCU-107 to release "light" weapons/stores from aircraft. The CCU-45 (MD65) to release "heavy" weapons/stores. [P40A / Hardware Safety]: Items such as safety/arming devices, sequence controls, shielded mild detonating cords, gas generators, initiators, thrusters, fire extinguisher cartridges, thermal batteries, rocket motors, catapults, etc, are used in aircraft emergency escape and safety systems. These explosives have finite service lives and are replaced during scheduled maintenance. An aircraft may be grounded if a single one of these items does not meet standard. Other items procured such as FLU-12/P Deck Crew Life Vest Inflator and the FLU-8B/P automatic life vest inflator are essential to crew survival after ejection or being thrown overboard. [P40A / (Q8302) T-6A (JPATS) CAD/PADs]: Funding provides Under Seat Rocket Motor, Impulse Cartridge, Internal Canopy Mechanical Actuated Initiator, Seat Movement Mechanical Actuated Initiator, External Canopy Mechanical Actuated Initiator, Laser Initiator, Donor Assembly, Manifolds, Shielded Mild Detonating Cord Transfer Line, and Holder Assembly. [P40A / Misc. Devices Under \$500k]: Safety CAD/PAD devices typically priced under 500k are procured yearly under this budget line, not limited to but include: 1W18 Explosive Separator, JL96 Rocket Catapult, MJ98 Cartridge Actuated Initiator, SU58 Mild Detonating Cord Set, XW53 Explosive Sequence Control.												

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	P-1 Line Item Number / Title: 0180 / Cartridge Actuated Devices/Propellant Act Devices
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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 (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Cartridge Actuated Devices/Propellant Act Devices	P-40a, P-5a, P-21		- / 607.497	- / 53.764	- / 50.866	- / 49.377	- / -	- / 49.377
Total Gross/Weapon System Cost			- / 607.497	- / 53.764	- / 50.866	- / 49.377	- / -	- / 49.377

*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:

FY16 funding is required to support fleet requirements which are calculated using the Requirements Determination Model (RDM) and take into account the aircraft inventory, maintenance cycle and aircraft installed CAD/PAD data, service life data, on-hand inventory data, procurement lead time data, historical cost data and projected contract delivery date data. Fluctuations in CAD/PAD requirements vary by aircraft platform and component service life.

The FY16 funding request was reduced by \$4.7 million to account for the availability of prior year execution balances.

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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: 1508N / 01 / 1						P-1 Line Item Number / Title: 0180 / Cartridge Actuated Devices/Propellant Act Devices						Aggregated Items Title: Cartridge Actuated Devices/Propellant Act Devices					

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) Hardware-Stores Release																				
1.1) (Q8090) JAU-22/ B Initiator CTG (MF64) ^(†)	A		23.05	210,000	4.841	27.00	83,000	2.241	27.54	40,000	1.102	28.09	40,000	1.124	-	-	-	28.09	40,000	1.124
1.2) (Q8200) CCU-107 Impulse CTG (MT95/JM92) ^{(1)(†)}	A		8.37	450,000	3.766	10.10	20,000	0.202	7.99	140,000	1.119	10.25	140,000	1.435	-	-	-	10.25	140,000	1.435
1.3) (Q8201) CCU-45 Impulse CTG (MD65) ^(†)	A		7.81	225,323	1.759	9.05	78,720	0.712	8.88	75,000	0.666	9.41	75,000	0.706	-	-	-	9.41	75,000	0.706
Subtotal: 1) Hardware-Stores Release			-	-	10.366	-	-	3.155	-	-	2.887	-	-	3.265	-	-	-	-	-	3.265
2) Hardware Safety																				
2.1) (Q8060) Thermal Battery (CWDR) ^(†)	A		4,215.13	674	2.841	4,984.92	199	0.992	4,512.27	209	0.943	4,602.51	200	0.921	-	-	-	4,602.51	200	0.921
2.2) (Q2070) MK 122 Parachute Deploy RCKT (MT29) - NSWC, Indian Head (2)(†)	A		1,879.17	1,200	2.255	1,966.65	300	0.590	2,007.00	300	0.602	-	-	-	-	-	-	-	-	-
2.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29) ^{(3)(†)}	A		3,663.36	2,320	8.499	2,858.90	1,056	3.019	4,074.00	649	2.644	4,115.00	921	3.790	-	-	-	4,115.00	921	3.790
2.4) (Q8071) MK 123 Underseat RCKT Motor (MT30) - Reworked	A		3,912.09	91	0.356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) (Q8071) MK 123 Underseat RCKT Motor (MT30) ^(†)	A		9,508.77	114	1.084	9,494.54	26	0.247	9,691.36	81	0.785	9,875.00	88	0.869	-	-	-	9,875.00	88	0.869
2.6) (Q8081) MK 124 Underseat RCKT Motor (MT31) - Reworked	A		3,876.81	138	0.535	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.7) (Q8081) MK 124 Underseat RCKT Motor (MT31) ^(†)	A		9,259.26	189	1.750	9,494.53	34	0.323	9,694.44	72	0.698	9,877.86	131	1.294	-	-	-	9,877.86	131	1.294
2.8) (Q8140) FLU-8/9/12 Inflators (FW98/BY81JL09)	A		-	-	9.061	-	-	2.538	-	-	2.378	-	-	1.300	-	-	-	-	-	1.300

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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: 1508N / 01 / 1						P-1 Line Item Number / Title: 0180 / Cartridge Actuated Devices/Propellant Act Devices									Aggregated Items Title: Cartridge Actuated Devices/Propellant Act Devices					
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)
2.9) (Q8160) JAU-74 INIT/CCU-146 CTG (WB15/16) ⁽⁴⁾	A		-	-	7.871	-	-	2.505	-	-	1.741	-	-	2.054	-	-	-	-	-	2.054
2.10) (Q8180) F-18 DIFRS (SR95/WB19)	A		-	-	5.034	-	-	2.034	-	-	1.675	-	-	1.418	-	-	-	-	-	1.418
2.11) (Q8300) Navy Aircrew Common Ejection Seats	A		-	-	6.204	-	-	1.499	-	-	1.976	-	-	2.237	-	-	-	-	-	2.237
2.12) (Q8301) F-18E/ F/G & V-22 Fire Suppression Gas	A		-	-	9.949	-	-	3.105	-	-	2.699	-	-	2.403	-	-	-	-	-	2.403
2.13) (Q8302) T-6A (JPATS) CAD/PADs ⁽⁵⁾	A		-	-	13.376	-	-	5.017	-	-	5.197	-	-	9.600	-	-	-	-	-	9.600
Subtotal: 2) Hardware Safety			-	-	68.815	-	-	21.869	-	-	21.338	-	-	25.886	-	-	-	-	-	25.886
3) Hardware-Misc. Devices																				
3.1) Misc. Devices Under \$500k	A		-	-	60.940	-	-	16.167	-	-	13.876	-	-	7.267	-	-	-	-	-	7.267
Subtotal: 3) Hardware-Misc. Devices			-	-	60.940	-	-	16.167	-	-	13.876	-	-	7.267	-	-	-	-	-	7.267
4) (Q8800) Intergrated Logistics Support																				
4.1) Stores Release ILS	A		-	-	0.699	-	-	0.240	-	-	0.245	-	-	0.249	-	-	-	-	-	0.249
4.2) Safety ILS	A		-	-	2.686	-	-	0.780	-	-	0.795	-	-	0.810	-	-	-	-	-	0.810
4.3) Misc. Devices ILS	A		-	-	1.644	-	-	0.284	-	-	0.289	-	-	0.295	-	-	-	-	-	0.295
Subtotal: 4) (Q8800) Intergrated Logistics Support			-	-	5.029	-	-	1.304	-	-	1.329	-	-	1.354	-	-	-	-	-	1.354
5) (Q8820) Reliability Life																				
5.1) Stores Release Reliability Life	A		-	-	0.419	-	-	0.125	-	-	0.127	-	-	0.130	-	-	-	-	-	0.130
5.2) Safety Reliability Life	A		-	-	1.668	-	-	0.312	-	-	0.318	-	-	0.304	-	-	-	-	-	0.304
5.3) Misc. Devices Reliability Life	A		-	-	1.038	-	-	0.150	-	-	0.153	-	-	0.156	-	-	-	-	-	0.156
Subtotal: 5) (Q8820) Reliability Life			-	-	3.125	-	-	0.587	-	-	0.598	-	-	0.590	-	-	-	-	-	0.590
6) (Q8830) Production Engineering																				
6.1) Stores Release PES	A		-	-	2.754	-	-	1.064	-	-	1.084	-	-	1.105	-	-	-	-	-	1.105

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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: 1508N / 01 / 1						P-1 Line Item Number / Title: 0180 / Cartridge Actuated Devices/Propellant Act Devices						Aggregated Items Title: Cartridge Actuated Devices/Propellant Act Devices							

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)
6.2) Safety PES	A		-	-	10.558	-	-	3.225	-	-	3.286	-	-	3.349	-	-	-	-	-	3.349
6.3) Misc. Devices PES	A		-	-	5.437	-	-	0.727	-	-	0.741	-	-	0.755	-	-	-	-	-	0.755
<i>Subtotal: 6) (Q8830) Production Engineering</i>			-	-	18.749	-	-	5.016	-	-	5.111	-	-	5.209	-	-	-	-	-	5.209
7) (Q8840) Quality Assurance																				
7.1) Stores Release QA	A		-	-	0.387	-	-	0.130	-	-	0.132	-	-	0.135	-	-	-	-	-	0.135
7.2) Safety QA	A		-	-	1.509	-	-	0.454	-	-	0.463	-	-	0.429	-	-	-	-	-	0.429
7.3) Misc. Devices QA	A		-	-	0.897	-	-	0.156	-	-	0.159	-	-	0.162	-	-	-	-	-	0.162
<i>Subtotal: 7) (Q8840) Quality Assurance</i>			-	-	2.793	-	-	0.740	-	-	0.754	-	-	0.726	-	-	-	-	-	0.726
8) (Q8850) Product Improvement																				
8.1) Stores Release PIP	A		-	-	1.668	-	-	0.579	-	-	0.575	-	-	0.590	-	-	-	-	-	0.590
8.2) Safety PIP	A		-	-	6.543	-	-	1.975	-	-	1.998	-	-	2.040	-	-	-	-	-	2.040
8.3) Misc. Devices PIP	A		-	-	3.930	-	-	0.680	-	-	0.676	-	-	0.693	-	-	-	-	-	0.693
<i>Subtotal: 8) (Q8850) Product Improvement</i>			-	-	12.141	-	-	3.234	-	-	3.249	-	-	3.323	-	-	-	-	-	3.323
9) (Q8860) Acceptance Testing																				
9.1) Stores Release Acceptance Testing	A		-	-	1.779	-	-	0.433	-	-	0.441	-	-	0.450	-	-	-	-	-	0.450
9.2) Safety Acceptance Testing	A		-	-	7.471	-	-	0.728	-	-	0.742	-	-	0.756	-	-	-	-	-	0.756
9.3) Misc. Devices Acceptance Testing	A		-	-	4.548	-	-	0.531	-	-	0.541	-	-	0.551	-	-	-	-	-	0.551
<i>Subtotal: 9) (Q8860) Acceptance Testing</i>			-	-	13.798	-	-	1.692	-	-	1.724	-	-	1.757	-	-	-	-	-	1.757
10) Prior Years																				
10.1) Prior Years Cumulative Funding	A		-	-	411.741	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 10) Prior Years</i>			-	-	411.741	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	607.497	-	-	53.764	-	-	50.866	-	-	49.377	-	-	-	-	-	49.377

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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: 1508N / 01 / 1	P-1 Line Item Number / Title: 0180 / Cartridge Actuated Devices/Propellant Act Devices	Aggregated Items Title: Cartridge Actuated Devices/Propellant Act Devices

(†) indicates the presence of a P-5a

Footnotes:

- (1) FY15 awarded for less than originally budgeted due to economies of scale and the number of sponsors funding the same contract. This caused the unit price to reduce below original escalated costs, which in turn caused a higher than OSD inflation rate between FY15 and FY16. For FY16, the unit cost assumption reflects program expectations that the same economies of scale will not be obtained.
- (2) Q2070 2.2 is for the MK122 Parachute Deployment Rocket Motor (MT29) requirements that are produced organically at NSWC, IHEODTD.
- (3) Q2070 2.3 is for the MK122 Parachute Deployment Rocket Motor (MT29) requirements that are procured from a commercial contractor.
- (4) The JAU-74 / CCU-146 cost element funds 2 items. The requirements for these items increased from FY15 to FY16. Fluctuations in the requirements based on the Fleet's requirements.
- (5) The T-6A (JPATS) cost element funds 28 safety CAD/PAD items that are unique to the T-6 and are awarded over 5 contracts. These devices are within the aircraft's escape and safety systems. FY16 funding increased above inflation rate from FY15 due to the number of active aircraft in the All report and the requirements determination process that includes accurate cost to date and increased requirements based on the Fleet's need.

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy									Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0180 / Cartridge Actuated Devices/Propellant Act Devices					Aggregated Items: Cartridge Actuated Devices/Propellant Act Devices				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date	
1) Hardware-Stores Release													
1.1) (Q8090) JAU-22/B Initiator CTG (MF64) ^(†)		2013	AMTEC CORPORATION / JANESVILLE, WI	C / FP	NAVSUP	Oct 2012	Dec 2013	40,000	30.90	Y		Oct 2011	
1.1) (Q8090) JAU-22/B Initiator CTG (MF64) ^(†)		2014	AMTEC CORPORATION / JANESVILLE, WI	C / FP	NAVSUP	Apr 2014	Apr 2015	83,000	27.00	Y		Oct 2013	
1.1) (Q8090) JAU-22/B Initiator CTG (MF64) ^(†)		2015	TBD / TBD	TBD	NAVSUP	Apr 2015	Apr 2016	40,000	27.54	Y		Oct 2014	
1.1) (Q8090) JAU-22/B Initiator CTG (MF64) ^(†)		2016	TBD / TBD	TBD	NAVSUP	Apr 2016	Apr 2017	40,000	28.09	Y		Oct 2015	
1.2) (Q8200) CCU-107 Impulse CTG (MT95/JM92) ^{(1)(†)}		2014	Pyrotechnic Specialities / Byron, GA	C / FP	NAVSUP	Apr 2014	Apr 2015	20,000	10.10	Y		Oct 2013	
1.2) (Q8200) CCU-107 Impulse CTG (MT95/JM92) ^{(1)(†)}		2015 (6)	Pyrotechnic Specialities / Byron, GA	C / FP	NAVSUP	Nov 2014	Nov 2015	140,000	7.99	Y		Jul 2014	
1.2) (Q8200) CCU-107 Impulse CTG (MT95/JM92) ^{(1)(†)}		2016	TBD / TBD	TBD	NAVSUP	Apr 2016	Apr 2017	140,000	10.25	Y		Oct 2015	
1.3) (Q8201) CCU-45 Impulse CTG (MD65)		2013	Pyrotechnic Specialities / Byron, GA	C / FP	NAVSUP	Mar 2013	Mar 2014	55,323	8.80	Y		Oct 2012	
1.3) (Q8201) CCU-45 Impulse CTG (MD65)		2014	Pyrotechnic Specialities / Byron, GA	C / FP	NAVSUP	May 2014	May 2015	78,720	9.05	Y		Oct 2013	
1.3) (Q8201) CCU-45 Impulse CTG (MD65)		2015 (7)	Pyrotechnic Specialities / Byron, GA	C / FP	NAVSUP	Nov 2014	Nov 2015	75,000	8.88	Y		Aug 2014	
1.3) (Q8201) CCU-45 Impulse CTG (MD65)		2016	TBD / TBD	TBD	NAVSUP	Apr 2016	Apr 2016	75,000	9.41	Y		Oct 2015	
2) Hardware Safety													
2.1) (Q8060) Thermal Battery (CWDR)		2013	MARTIN-BAKER A/ CRT C / MIDDLESEX GB	C / FP	NAVAIR	May 2013	May 2014	159	4,779.87	Y		Oct 2012	
2.1) (Q8060) Thermal Battery (CWDR)		2014	MARTIN-BAKER A/ CRT C / MIDDLESEX GB	C / FP	NAVAIR	May 2014	May 2015	199	4,984.92	Y		Oct 2013	
2.1) (Q8060) Thermal Battery (CWDR)		2015 (8)	TBD / TBD	TBD	NAVAIR	Jul 2015	Jul 2016	209	4,512.27	Y		Oct 2014	
2.1) (Q8060) Thermal Battery (CWDR)		2016	TBD / TBD	TBD	NAVAIR	Apr 2016	Apr 2017	200	4,602.51	Y		Oct 2015	
2.2) (Q2070) MK 122 Parachute Deploy RCKT (MT29) - NSWC, Indian Head ⁽²⁾		2013	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Feb 2013	Feb 2014	300	1,930.00	Y			

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0180 / Cartridge Actuated Devices/Propellant Act Devices					Aggregated Items: Cartridge Actuated Devices/Propellant Act Devices			
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.2) (Q2070) MK 122 Parachute Deploy RCKT (MT29) - NSWC, Indian Head ⁽²⁾		2014 (9)	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Sep 2014	Sep 2015	300	1,966.65	Y		
2.2) (Q2070) MK 122 Parachute Deploy RCKT (MT29) - NSWC, Indian Head ⁽²⁾		2015	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Feb 2015	Feb 2016	300	2,007.00	Y		
2.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29) ^{(3)(†)}		2014 (10)	MARTIN-BAKER A/CRT C / MIDDLESEX, GB	C / FP	NAVSUP	Sep 2014	Apr 2015	1,056	2,858.90	Y		Oct 2013
2.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29) ^{(3)(†)}		2015	TBD / TBD	TBD	NAVSUP	Mar 2015	May 2016	649	4,074.00	Y		Oct 2014
2.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29) ^{(3)(†)}		2016	TBD / TBD	TBD	NAVSUP	Mar 2016	May 2017	921	4,115.00	Y		Oct 2015
2.5) (Q8071) MK 123 Underseat RCKT Motor (MT30)		2013	MARTIN-BAKER A/ CFT C / MIDDLESEX, GB	C / FP	NAVSUP	Aug 2013	Aug 2014	55	9,308.36	Y		Oct 2012
2.5) (Q8071) MK 123 Underseat RCKT Motor (MT30)		2014 (11)	TBD / TBD	TBD	NAVSUP	Feb 2015	Feb 2016	26	9,494.54	Y		Oct 2013
2.5) (Q8071) MK 123 Underseat RCKT Motor (MT30)		2015	TBD / TBD	TBD	NAVSUP	Apr 2015	Apr 2016	81	9,691.36	Y		Oct 2014
2.5) (Q8071) MK 123 Underseat RCKT Motor (MT30)		2016	TBD / TBD	TBD	NAVSUP	Apr 2016	Apr 2017	88	9,875.00	Y		
2.7) (Q8081) MK 124 Underseat RCKT Motor (MT31) ^(†)		2013	MARTIN-BAKER A/ CFT / MIDDLESEX, GB	C / FP	NAVSUP	Aug 2013	Aug 2014	108	9,308.35	Y		Oct 2012
2.7) (Q8081) MK 124 Underseat RCKT Motor (MT31) ^(†)		2014 (12)	TBD / TBD	TBD	NAVSUP	Feb 2015	Feb 2016	34	9,494.53	Y		Oct 2013
2.7) (Q8081) MK 124 Underseat RCKT Motor (MT31) ^(†)		2015	TBD / TBD	TBD	NAVSUP	Apr 2015	Apr 2016	72	9,694.44	Y		Oct 2014
2.7) (Q8081) MK 124 Underseat RCKT Motor (MT31) ^(†)		2016	TBD / TBD	TBD	NAVSUP	Oct 2015	Oct 2016	131	9,877.86	Y		
^(†) indicates the presence of a P-21 Footnotes: ⁽⁶⁾ Contract awarded earlier than originally budgeted. PB16 budget submit has been updated for actual contract award values. ⁽⁷⁾ Contract awarded earlier than originally budgeted. PB16 budget submit has been updated for actual contract award values. ⁽⁸⁾ Estimated award date slipped from 04/2015 to 07/2015 due to item obsolescence issue.												

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0180 / Cartridge Actuated Devices/Propellant Act Devices	Aggregated Items: Cartridge Actuated Devices/Propellant Act Devices
(9) Contract award slipped to 09/2014 due to contractor backlog. (10) Contract award date slipped to 09/2014 due to the contractor delaying the award process by requesting several extensions for submitting proposal and resolving safety and audit issues. (11) The EAD slipped from September 2014 to February 2015 due to the failures on the Mechanite 19 Propellant contract, along with late submittals of contractor/sub-contracting bids. Mechanite 19 propellant is the GFM provided for these builds. Subsequent deliveries will not be affected. (12) The EAD slipped from September 2014 to February 2015 due to the failures on the Mechanite 19 Propellant contract, along with late submittals of contractor/sub-contracting bids. Mechanite 19 propellant is the GFM provided for these builds. Subsequent deliveries will not be affected.		

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015																		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0180 / Cartridge Actuated Devices/Propellant Act Devices										Aggregated Items: Cartridge Actuated Devices/Propellant Act Devices																		
Items (Units in Thousands)							Fiscal Year 2013													Fiscal Year 2014																		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013																			Calendar Year 2014												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							
1) Hardware-Stores Release																																						
1.1) (Q8090) JAU-22/B Initiator CTG (MF64)																																						
Prior Years Deliveries: 170000																																						
	5	2013	NAVY	40.000	-	40.000	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.333	3.333	3.333	3.333	3.333	3.333	3.333	3.333	3.334	3.334	6.668						
	5	2014	NAVY	83.000	-	83.000																					A -	-	-	-	-	-	83.000					
	6	2015	NAVY	40.000	-	40.000																										40.000						
	6	2016	NAVY	40.000	-	40.000																										40.000						
1.2) (Q8200) CCU-107 Impulse CTG (MT95/JM92) ⁽¹⁾																																						
Prior Years Deliveries: 450000																																						
	7	2014	NAVY	20.000	-	20.000																						A -	-	-	-	-	-	20.000				
	7	2015	NAVY	140.000	-	140.000																											140.000					
	8	2016	NAVY	140.000	-	140.000																											140.000					
2) Hardware Safety																																						
2.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29) ⁽³⁾																																						
Prior Years Deliveries: 2320																																						
	10	2014	NAVY	1.056	-	1.056																									A -	1.056						
	9	2015	NAVY	.649	-	.649																											.649					
	9	2016	NAVY	.921	-	.921																											.921					
2.7) (Q8081) MK 124 Underseat RCKT Motor (MT31)																																						
Prior Years Deliveries: 81																																						
	12	2013	NAVY	.108	-	.108												A -	-	-	-	-	-	-	-	-	-	-	-	-	.010	.010	.088					
	11	2014	NAVY	.034	-	.034																											.034					
	11	2015	NAVY	.072	-	.072																											.072					
	11	2016	NAVY	.131	-	.131																											.131					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0180 / Cartridge Actuated Devices/Propellant Act Devices										Aggregated Items: Cartridge Actuated Devices/Propellant Act Devices												
Items <i>(Units in Thousands)</i>							Fiscal Year 2015										Fiscal Year 2016															
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 4	BAL DUE AS OF 1 OCT				Calendar Year 2015										Calendar Year 2016										B A L		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G		S E P	
1) Hardware-Stores Release																																
1.1) (Q8090) JAU-22/B Initiator CTG (MF64)																																
Prior Years Deliveries: 170000																																
	5	2013	NAVY	40.000	33.332	6.668	3.334	3.334																								-
	5	2014	NAVY	83.000	-	83.000	-	-	-	-	-	-	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	6.000							-
	6	2015	NAVY	40.000	-	40.000							A -	-	-	-	-	-	-	-	-	-	-	-	-	3.333	3.333	3.333	3.333	3.333	3.333	20.002
	6	2016	NAVY	40.000	-	40.000																				A -	-	-	-	-	-	40.000
1.2) (Q8200) CCU-107 Impulse CTG (MT95/JM92) ⁽¹⁾																																
Prior Years Deliveries: 450000																																
	7	2014	NAVY	20.000	-	20.000	-	-	-	-	-	-	10.000	10.000																		-
	7	2015	NAVY	140.000	-	140.000		A -	-	-	-	-	-	-	-	-	-	-	-	11.666	11.666	11.666	11.666	11.667	11.667	11.667	11.667	11.667	11.667	11.667	11.667	11.667
	8	2016	NAVY	140.000	-	140.000																				A -	-	-	-	-	-	140.000
2) Hardware Safety																																
2.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29) ⁽³⁾																																
Prior Years Deliveries: 2320																																
	10	2014	NAVY	1.056	-	1.056	-	-	-	-	-	-	.100	.100	.100	.100	.100	.100	.100	.100	.100	.100	.056									-
	9	2015	NAVY	.649	-	.649							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.055	.055	.055	.055	.374
	9	2016	NAVY	.921	-	.921																		A -	-	-	-	-	-	-	-	.921
2.7) (Q8081) MK 124 Underseat RCKT Motor (MT31)																																
Prior Years Deliveries: 81																																
	12	2013	NAVY	.108	.020	.088	.010	.010	.010	.010	.010	.010	.010	.010	.008									.010	.010	.010	.004					-
	11	2014	NAVY	.034	-	.034					A -	-	-	-	-	-	-	-	-	-	-	-	-	.010	.010	.010	.004					-
	11	2015	NAVY	.072	-	.072							A -	-	-	-	-	-	-	-	-	-	-	-	-	.010	.010	.010	.010	.010	.010	.012
	11	2016	NAVY	.131	-	.131													A -	-	-	-	-	-	-	-	-	-	-	-	-	.131
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015											
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0180 / Cartridge Actuated Devices/Propellant Act Devices													Aggregated Items: Cartridge Actuated Devices/Propellant Act Devices											
Items <i>(Units in Thousands)</i>							Fiscal Year 2017												Fiscal Year 2018															
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 6	BAL DUE AS OF 1 OCT				Calendar Year 2017												Calendar Year 2018												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
1) Hardware-Stores Release																																		
1.1) (Q8090) JAU-22/B Initiator CTG (MF64)																																		
Prior Years Deliveries: 170000																																		
	5	2013	NAVY	40.000	40.000	-																										-		
	5	2014	NAVY	83.000	83.000	-																										-		
	6	2015	NAVY	40.000	19.998	20.002	3.333	3.333	3.334	3.334	3.334	3.334																				-		
	6	2016	NAVY	40.000	-	40.000	-	-	-	-	-	-	3.333	3.333	3.333	3.333	3.333	3.333	3.333	3.334	3.334	3.334	3.334				-							
1.2) (Q8200) CCU-107 Impulse CTG (MT95/JM92) ⁽¹⁾																																		
Prior Years Deliveries: 450000																																		
	7	2014	NAVY	20.000	20.000	-																										-		
	7	2015	NAVY	140.000	128.333	11.667	11.667																										-	
	8	2016	NAVY	140.000	-	140.000	-	-	-	-	-	-	11.666	11.666	11.666	11.666	11.667	11.667	11.667	11.667	11.667	11.667	11.667	11.667				-						
2) Hardware Safety																																		
2.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29) ⁽³⁾																																		
Prior Years Deliveries: 2320																																		
	10	2014	NAVY	1.056	1.056	-																										-		
	9	2015	NAVY	.649	.275	.374	.055	.055	.055	.055	.055	.055	.044																			-		
	9	2016	NAVY	.921	-	.921	-	-	-	-	-	-	-	.076	.076	.076	.077	.077	.077	.077	.077	.077	.077	.077	.077				-					
2.7) (Q8081) MK 124 Underseat RCKT Motor (MT31)																																		
Prior Years Deliveries: 81																																		
	12	2013	NAVY	.108	.108	-																										-		
	11	2014	NAVY	.034	.034	-																										-		
	11	2015	NAVY	.072	.060	.012	.010	.002																								-		
	11	2016	NAVY	.131	-	.131	.010	.011	.011	.011	.011	.011	.011	.011	.011	.011	.011																-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			

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Exhibit P-21, Production Schedule: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1					P-1 Line Item Number / Title: 0180 / Cartridge Actuated Devices/Propellant Act Devices				Aggregated Items: Cartridge Actuated Devices/Propellant Act Devices			
		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	AMTEC CORPORATION - JANESVILLE, WI	20,000	50,000	100,000	-	7	12	19	-	-	-	-
2	TBD - TBD	20,000	50,000	100,000	-	7	12	19	-	-	-	-
3	Pyrotechnic Specialities - Byron, GA	10,000	100,000	200,000	-	7	12	19	-	-	-	-
4	TBD - TBD	10,000	100,000	200,000	-	7	12	19	-	-	-	-
5	TBD - TBD	100	500	1,000	-	11	12	23	-	-	-	-
6	MARTIN-BAKER A/CRT C - MIDDLESEX, GB	100	500	1,250	-	12	7	19	-	-	-	-
7	TBD - TBD	15	50	150	-	16	12	28	-	-	-	-
8	MARTIN-BAKER A/CFT - MIDDLESEX, GB	15	50	150	-	5	12	17	-	-	-	-

"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-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition							P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements: 0604270N, 0604279N				
Line Item MDAP/MAIS Code: 418			Item MDAP/MAIS Code(s):									
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>)	1,012.065	98.078	88.670	59.651	11.982	71.633	60.561	61.760	81.379	82.917	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,012.065	98.078	88.670	59.651	11.982	71.633	60.561	61.760	81.379	82.917	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,012.065	98.078	88.670	59.651	11.982	71.633	60.561	61.760	81.379	82.917	Continuing	Continuing
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The Air Expendable Countermeasures (AECM) line provides funding for procurement of countermeasure self-protection devices for all DoN and Marine Corps tactical, rotary and other fixed-wing aircraft. The AECM Program is divided into the following threat related groupings: (1) Radio Frequency (RF) Active Jammers, (2) Infra-Red (IR) Decoys (3) associated impulse cartridges, (4) Chaff Countermeasures and (5) F-35 Countermeasures. [P40A / ACTIVE JAMMERS]: Current Active Jammer is ALE-55 Fiber Optic Towed Decoy (FOTD) and is part of the ALE-50 program. The FOTD, when integrated with the rest of the F/A-18E/F Electronic Warfare (EW) suite (i.e., ALQ-214, ALR-67(V)3, ALE-47 and ALE-50), the associated cockpit controls, displays and other avionics significantly improves the survivability of the host aircraft in a Radio Frequency (RF) threat environment. The FOTD is part of the Integrated Defensive Electronic Countermeasure (IDECM) Radio Frequency Countermeasure (RFCM) Block 3 (IB-3) program. ALE-55 Milestone (MS) III was conducted July 2011. Initial Operational Capability (IOC) was achieved July 2011. FOTD was developed utilizing RDT&E,N PE 0604270N, Project Unit 2175. The GEN-X active RF decoy is dispensed from the ALE-47 system and protects all Navy and Marine Corps fixed wing aircraft from modern surface-to-air and air-to-air threats. [P40A / IR DECOYS]: The MJU-49/32/38 are currently used by all aircraft except the KC130J/T to provide self protection from surface to air/air to air Infra-Red missiles. The MJU-61 and MJU-64 are used on the KC-130J/T, UC-35D and UC-12 aircraft to provide self protection from surface to air/air to air Infra-Red missiles. The SM-875 is a dedicated, low cost training device. The MJU-57 provides a kinematic Infra-Red Countermeasure. Procurement of MJU-66 advanced spectral countermeasure began in FY 2013 in support of KC-130J/T and UC-35D. The MJU-67 provides an enhanced spectral signature which improves decoy effectiveness. [P40A / IMPULSE CARTRIDGES]: Used to propel the self-protection devices away from the aircraft. The CCU-136 is used by all airframes except the KC-130J/T and UC-35D. The CCU-145 is used on KC-130J/T, UC-35D and F-35. [P40A / CHAFF COUNTERMEASURES]: The RR-129 is the operational round used on all Navy aircraft platforms. The RR-144 is a dedicated training round used on all airframes except the USMC KC-130J/T. The RR-144 training round does not interfere with Federal Aviation Administration (FAA) tracking radars. The RR-170 is the operational round procured in support of the KC-130J/T and UC-35D. [P40A / F-35 COUNTERMEASURES]: Includes all unique countermeasures that provide self-protection for the Joint Strike Fighter (JSF) aircraft, specifically ALE-70, MJU-68, MJU-69 and CCU-168.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy			Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition		P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures	
ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:	Other Related Program Elements: 0604270N, 0604279N
Line Item MDAP/MAIS Code: 418	Item MDAP/MAIS Code(s):		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition					P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:		Other Related Program Elements: 0604270N, 0604279N			
Line Item MDAP/MAIS Code: 418		Item MDAP/MAIS Code(s):						
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Air Expendable Countermeasures	P-40a, P-5a, P-21		- / 1,012.065	- / 98.078	- / 88.670	- / 59.651	- / 11.982	- / 71.633
Total Gross/Weapon System Cost			- / 1,012.065	- / 98.078	- / 88.670	- / 59.651	- / 11.982	- / 71.633
*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: FY16 baseline funding is required to procure Active Jammers, Infrared (IR) Decoys, Impulse Cartridges, Chaff Countermeasures, F-35 Countermeasures and associated support for DoN and Marine Corps tactical, rotary and other fixed-wing aircraft to meet Fleet inventory levels requirements, based on operational need. These proven countermeasure devices provide pre-emptive or terminal and reactive self-protection for all Navy and Marine Corps strike, assault, rotary wing, and other fixed wing aircraft from Radio Frequency (RF) or Infrared (IR) guided missile attack and other advanced threats. In accordance with Operational Requirement Document (ORD): # 512-88-89 dated 28 May 99, Air Expendable Countermeasures program is tasked with maintaining an operationally effective mixture of countermeasures that can degrade and/or neutralize the effectiveness of current and/or projected threats and provide pre-emptive, area and point source devices that must be compatible with Night Vision Goggles (NVG). ORD: # 512-88-89 mandates Product Improvement Program (PIP) and Production Engineering Support (PES) to ensure expendables are cost effective, environmentally friendly and Hazards of Electromagnetic Radiation to Ordnance (HERO) safe. Total funding in FY16 is based on a minimum level to meet inventory objectives and operational need of the fleet. OCO: FY16 Overseas Contingency Operations (OCO) funding is required to replenish countermeasure self-protection devices that have been expended in direct support of combat operations in support of Operation Freedom's Sentinel (OFS). Without this minimum level of funding, Fleet readiness is altered.								

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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: 1508N / 01 / 1							P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures								Aggregated Items Title: Air Expendable Countermeasures ⁽¹⁾					
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) ACTIVE JAMMERS																				
1.1) ALE-50 (AAED)	A		-	-	54.095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) ALE-55 (FOTD) ^(†)	A		92,710.96	1,159	107.452	70,059.00	262	18.355	70,303.89	283	19.896	70,838.60	285	20.189	-	-	-	70,838.60	285	20.189
1.3) TECHNICAL SUPPORT (ACTIVE JAMMER)	A		-	-	-	-	-	0.752	-	-	0.697	-	-	0.749	-	-	-	-	-	0.749
Subtotal: 1) ACTIVE JAMMERS			-	-	161.547	-	-	19.107	-	-	20.593	-	-	20.938	-	-	-	-	-	20.938
2) IR DECOYS																				
2.1) MJU-32 ^{(2)(†)}	A		122.56	394,386	48.336	52.19	73,980	3.861	54.72	138,998	7.606	55.81	71,845	4.010	-	-	-	55.81	71,845	4.010
2.2) MJU-38 ^{(3)(†)}	A		152.85	263,874	40.332	53.92	42,000	2.265	54.94	52,929	2.908	56.04	36,634	2.053	-	-	-	56.04	36,634	2.053
2.3) MJU-49 ^{(4)(†)}	A		563.39	370,391	208.673	-	-	-	113.49	119,730	13.588	-	-	-	-	-	-	-	-	-
2.4) MJU-55	A		-	-	20.105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) MJU-57 ^{(5)(†)}	A		417.97	154,173	64.440	153.06	42,932	6.571	155.97	17,393	2.713	159.09	8,109	1.290	159.09	10,431	1.659	159.09	18,540	2.949
2.6) MJU-61 ^{(6)(†)}	A		94.73	10,430	0.988	84.33	14,442	1.218	85.93	9,065	0.779	87.65	9,583	0.840	87.65	533	0.047	87.65	10,116	0.887
2.7) MJU-64 ^(†)	A		90.78	21,788	1.978	90.78	58,720	5.331	92.40	16,826	1.555	97.85	10,730	1.050	97.85	4,513	0.442	97.85	15,243	1.492
2.8) MJU-66 ^{(7)(†)}	A		128.70	18,975	2.442	128.69	19,357	2.491	135.42	18,764	2.541	139.59	18,318	2.557	-	-	-	139.59	18,318	2.557
2.9) MJU-67 ^(†)	A		-	-	-	309.50	5,261	1.628	294.03	11,574	3.403	279.33	12,967	3.622	-	-	-	279.33	12,967	3.622
2.10) SM875 ^{(8)(†)}	A		55.33	625,917	34.630	23.00	460,695	10.596	23.00	401,738	9.240	23.00	172,174	3.960	23.00	348,726	8.021	23.00	520,900	11.981
Subtotal: 2) IR DECOYS			-	-	421.924	-	-	33.961	-	-	44.333	-	-	19.382	-	-	10.169	-	-	29.551
3) IMPULSE CARTRIDGES																				
3.1) CCU-136 ^{(9)(†)}	A		12.44	3,314,039	41.237	3.67	1,422,909	5.222	3.79	1,003,694	3.804	3.87	404,909	1.567	3.87	218,446	0.845	3.87	623,355	2.412
3.2) CCU-145 ^{(10)(†)}	A		7.75	782,410	6.063	4.98	330,636	1.646	5.14	292,801	1.505	-	-	-	-	-	-	-	-	-
Subtotal: 3) IMPULSE CARTRIDGES			-	-	47.300	-	-	6.868	-	-	5.309	-	-	1.567	-	-	0.845	-	-	2.412
4) CHAFF COUNTERMEASURES																				
4.1) RR-129 ^{(11)(†)}	A		12.32	253,110	3.118	-	-	-	13.15	87,072	1.145	13.92	128,089	1.783	-	-	-	13.92	128,089	1.783
4.2) RR-144 ^{(12)(†)}	A		44.87	357,483	16.042	14.24	202,527	2.884	15.58	76,187	1.187	16.37	34,637	0.567	-	-	-	16.37	34,637	0.567
4.3) RR-170 ^{(13)(†)}	A		-	-	0.336	3.99	29,072	0.116	4.14	28,502	0.118	4.39	26,651	0.117	-	-	-	4.39	26,651	0.117
4.4) RR-188	A		-	-	0.121	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) CHAFF COUNTERMEASURES			-	-	19.617	-	-	3.000	-	-	2.450	-	-	2.467	-	-	-	-	-	2.467
5) F-35 COUNTERMEASURES ⁽¹⁴⁾																				
5.1) ALE-70 ^{(15)(†)}	A		55,494.12	340	18.868	60,656.00	132	8.007	57,662.00	32	1.845	53,895.00	44	2.371	-	-	-	53,895.00	44	2.371

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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: 1508N / 01 / 1						P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures									Aggregated Items Title: Air Expendable Countermeasures ⁽¹⁾					
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)
5.2) MJU-68 ^{(16)(†)}	A		2,047.77	2,575	5.273	2,361.00	1,663	3.926	2,425.00	415	1.006	2,473.50	623	1.541	-	-	-	2,473.50	623	1.541
5.3) MJU-69 ^{(17)(†)}	A		2,242.67	2,081	4.667	2,361.00	1,663	3.926	2,425.00	415	1.006	2,473.50	623	1.541	-	-	-	2,473.50	623	1.541
5.4) CCU-168 ^{(18)(†)}	A		327.87	2,257	0.740	300.00	1,583	0.475	305.70	415	0.127	311.81	623	0.194	-	-	-	311.81	623	0.194
Subtotal: 5) F-35 COUNTERMEASURES			-	-	29.548	-	-	16.334	-	-	3.984	-	-	5.647	-	-	-	-	-	5.647
6) INTEGRATED LOGISTICS SUPPORT																				
6.1) ACTIVE JAMMERS	A		-	-	2.407	-	-	0.253	-	-	0.256	-	-	0.259	-	-	-	-	-	0.259
6.2) IR DECOYS	A		-	-	15.284	-	-	1.419	-	-	1.164	-	-	0.807	-	-	-	-	-	0.807
6.3) IMPULSE CARTRIDGES	A		-	-	1.410	-	-	0.050	-	-	0.094	-	-	0.096	-	-	-	-	-	0.096
6.4) CHAFF COUNTERMEASURES	A		-	-	0.908	-	-	0.080	-	-	0.052	-	-	0.053	-	-	-	-	-	0.053
6.5) F-35 COUNTERMEASURES	A		-	-	0.234	-	-	0.456	-	-	0.542	-	-	0.553	-	-	-	-	-	0.553
Subtotal: 6) INTEGRATED LOGISTICS SUPPORT			-	-	20.243	-	-	2.258	-	-	2.108	-	-	1.768	-	-	-	-	-	1.768
7) PRODUCTION ENGINEERING SUPPORT																				
7.1) ACTIVE JAMMERS	A		-	-	28.627	-	-	0.716	-	-	0.725	-	-	0.526	-	-	-	-	-	0.526
7.2) IR DECOYS	A		-	-	58.404	-	-	4.598	-	-	0.934	-	-	1.570	-	-	-	-	-	1.570
7.3) IMPULSE CARTRIDGES	A		-	-	4.919	-	-	0.150	-	-	0.161	-	-	0.164	-	-	-	-	-	0.164
7.4) CHAFF COUNTERMEASURES	A		-	-	2.309	-	-	0.150	-	-	0.065	-	-	0.066	-	-	-	-	-	0.066
7.5) F-35 COUNTERMEASURES	A		-	-	6.099	-	-	0.797	-	-	0.812	-	-	0.829	-	-	-	-	-	0.829
Subtotal: 7) PRODUCTION ENGINEERING SUPPORT			-	-	100.358	-	-	6.411	-	-	2.697	-	-	3.155	-	-	-	-	-	3.155
8) PRODUCT IMPROVEMENT PROGRAM																				
8.1) IR DECOYS	A		-	-	83.946	-	-	4.157	-	-	1.985	-	-	2.005	-	-	-	-	-	2.005
8.2) IMPULSE CARTRIDGES	A		-	-	11.631	-	-	0.320	-	-	0.279	-	-	0.283	-	-	-	-	-	0.283
8.3) CHAFF COUNTERMEASURES	A		-	-	0.568	-	-	0.055	-	-	0.015	-	-	0.015	-	-	-	-	-	0.015
Subtotal: 8) PRODUCT IMPROVEMENT PROGRAM			-	-	96.145	-	-	4.532	-	-	2.279	-	-	2.303	-	-	-	-	-	2.303
9) ACCEPTANCE TEST & EVALUATION																				

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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: 1508N / 01 / 1						P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures									Aggregated Items Title: Air Expendable Countermeasures ⁽¹⁾				

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)
9.1) IR DECOYS	A		-	-	95.201	-	-	4.804	-	-	4.192	-	-	1.681	-	-	0.968	-	-	2.649
9.2) IMPULSE CARTRIDGES	A		-	-	15.206	-	-	0.250	-	-	0.156	-	-	0.159	-	-	-	-	-	0.159
9.3) CHAFF COUNTERMEASURES	A		-	-	4.976	-	-	0.053	-	-	0.131	-	-	0.133	-	-	-	-	-	0.133
9.4) F-35 COUNTERMEASURES (19)	A		-	-	-	-	-	0.500	-	-	0.438	-	-	0.451	-	-	-	-	-	0.451
Subtotal: 9) ACCEPTANCE TEST & EVALUATION			-	-	115.383	-	-	5.607	-	-	4.917	-	-	2.424	-	-	0.968	-	-	3.392
Total			-	-	1,012.065	-	-	98.078	-	-	88.670	-	-	59.651	-	-	11.982	-	-	71.633

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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: 1508N / 01 / 1	P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures	Aggregated Items Title: Air Expendable Countermeasures ⁽¹⁾

^(†) indicates the presence of a P-5a

Footnotes:

- ⁽¹⁾ (a) Unit costs for hardware in FY15 were revised and reflect either escalated actual unit cost in FY15 or actual pricing in contract options. (b) Deliveries funded by different fiscal year appropriations occasionally overlap (P21 Delivery Schedule) to ensure inventory goals are met without exceeding maximum production rates.
- ⁽²⁾ MJU-32 FY14 baseline funds realigned to F-35 Countermeasures in support of Navy priorities. FY14 unit cost reflects price break due to actual IDIQ step ladder pricing. FY14 to FY15 unit cost increase above inflation based on unit cost estimate for new IDIQ contract.
- ⁽³⁾ MJU-38 FY14 baseline funds realigned to F-35 Countermeasures in support of Navy priorities.
- ⁽⁴⁾ MJU-49 baseline quantities reduced in FY16-FY20 to align inventory with Naval Munitions Requirements Process (NMRP) levels.
- ⁽⁵⁾ MJU-57 FY14 baseline funds realigned to F-35 Countermeasures in support of Navy priorities.
- ⁽⁶⁾ MJU-61 FY14-FY20 unit cost change due to anticipated efficiencies gained from reutilization of key components from demilitarization of unserviceable units; no reusable components resulted in the significant overall increase in unit cost.
- ⁽⁷⁾ MJU-66 FY15-FY16 unit cost increase above inflation is based on actual contract 3 year IDIQ pricing, base contract/pricing valid thru FY17.
- ⁽⁸⁾ SM-875 FY14 baseline funds realigned to F-35 countermeasures in support of Navy priorities.
- ⁽⁹⁾ CCU-136 unit cost is based on actual 5 year IDIQ contract pricing, base contract/pricing valid thru FY17.
- ⁽¹⁰⁾ CCU-145 unit cost is based on actual 5 year IDIQ contract pricing, base contract/pricing valid thru FY17.
- ⁽¹¹⁾ RR-129 FY16 unit cost increase above inflation due to actual contract 3 year IDIQ pricing, base contract/pricing valid thru FY17.
- ⁽¹²⁾ RR-144 FY15 and FY16 unit costs increased above inflation due to actual contract; 3 year IDIQ pricing, base contract/pricing valid thru FY17.
- ⁽¹³⁾ RR-170 FY15 and FY16 unit costs increased above inflation due to actual contract; 3 year IDIQ pricing, base contract/pricing valid thru FY17.
- ⁽¹⁴⁾ The Marine Corps F-35B had an acceleration of their IOC date which resulted in an overall increase in requirements for FY14.
- ⁽¹⁵⁾ ALE-70 FY14 funds realigned to accommodate acceleration of Marine Corps F-35B IOC date. Unit cost change due to increase in labor rates at prime contractor in DCMA approved forward pricing rate agreement. FY14-16 unit cost is based on actual contract IDIQ pricing.
- ⁽¹⁶⁾ MJU-68 FY14 funds realigned to accommodate acceleration of Marine Corps F-35B IOC date. Prior year unit cost reflects price break due to combined USN/USAF procurement. FY14 and FY15 unit cost based on PCO estimate and is above the rate of inflation due to corrective actions to resolve test failures.
- ⁽¹⁷⁾ MJU-69 FY14 funds realigned to accommodate acceleration of Marine Corps F-35B IOC date. Prior year unit cost reflects price break due to combined USN/USAF procurement. FY14 and FY15 unit cost based on PCO estimate and is above the rate of inflation due to corrective actions to resolve test failures.
- ⁽¹⁸⁾ CCU-168 FY14 funds realigned to accommodate acceleration of Marine Corps F-35B IOC date.
- ⁽¹⁹⁾ FY15 increase for 9.4 (ILS F-35 ATE) above inflation required to support increase in MJU-68/69 and CCU-168 procurements.

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1			P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures					Aggregated Items: Air Expendable Countermeasures ⁽¹⁾				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) ACTIVE JAMMERS												
1.2) ALE-55 (FOTD) ^(†)		2014	BAE SYSTEMS / NASHUA, NH	SS / FP	NAVAIR	Nov 2013	Jan 2015	262	70,059.00	Y		Jun 2011
1.2) ALE-55 (FOTD) ^(†)		2015	BAE SYSTEMS / NASHUA, NH	SS / FP	NAVAIR	Nov 2014	Jan 2016	283	70,303.89	Y		Jun 2014
1.2) ALE-55 (FOTD) ^(†)		2016	BAE SYSTEMS / NASHUA, NH	SS / FP	NAVAIR	Nov 2015	Jan 2017	285	70,838.60	Y		Jun 2015
2) IR DECOYS												
2.1) MJU-32 ^{(2)(†)}	✓	2014	KILGORE FLARES / TOONE, TN	C / IDIQ	NAVSUP WSS	Dec 2013	Sep 2014	73,980	52.19	Y		Oct 2011
2.1) MJU-32 ^{(2)(†)}		2015 (20)	TBD ⁽²¹⁾ / TBD	C / IDIQ	NAVSUP WSS	May 2015	Nov 2015	66,045	54.72	Y		Sep 2014
2.1) MJU-32 ^{(2)(†)}	✓	2015	TBD ⁽²¹⁾ / TBD	C / IDIQ	NAVSUP WSS	May 2015	Nov 2015	72,953	54.72	Y		Sep 2014
2.1) MJU-32 ^{(2)(†)}		2016	TBD ⁽²¹⁾ / TBD	C / IDIQ	NAVSUP WSS	May 2016	Oct 2016	71,845	55.81	Y		Sep 2014
2.2) MJU-38 ^{(3)(†)}	✓	2014 (22)	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Dec 2013	Oct 2014	42,000	53.92	Y		Oct 2012
2.2) MJU-38 ^{(3)(†)}		2015 (23)	TBD ⁽²⁴⁾ / TBD	C / IDIQ	NAVSUP WSS	May 2015	Dec 2015	23,789	54.94	Y		Nov 2014
2.2) MJU-38 ^{(3)(†)}	✓	2015	TBD ⁽²⁴⁾ / TBD	C / IDIQ	NAVSUP WSS	May 2015	Dec 2015	29,140	54.94	Y		Nov 2014
2.2) MJU-38 ^{(3)(†)}		2016	TBD ⁽²⁴⁾ / TBD	C / IDIQ	NAVSUP WSS	May 2016	Oct 2016	36,634	56.04	Y		Nov 2014
2.3) MJU-49 ^{(4)(†)}		2015 (25)	TBD ⁽²⁶⁾ / TBD	C / IDIQ	NAVSUP WSS	Jun 2015	Feb 2016	36,542	113.49	Y		Sep 2014
2.3) MJU-49 ^{(4)(†)}	✓	2015	TBD ⁽²⁶⁾ / TBD	C / IDIQ	NAVSUP WSS	Jun 2015	Feb 2016	83,188	113.49	Y		Sep 2014
2.5) MJU-57 ^{(5)(†)}	✓	2013	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Dec 2013	Dec 2014	24,095	153.06	Y		Dec 2011
2.5) MJU-57 ^{(5)(†)}	✓	2014 (27)	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Dec 2013	Apr 2015	42,932	153.06	Y		Dec 2011
2.5) MJU-57 ^{(5)(†)}		2015	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Apr 2015	Oct 2015	10,342	155.97	Y		Dec 2011
2.5) MJU-57 ^{(5)(†)}	✓	2015	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Apr 2015	Oct 2015	7,051	155.97	Y		Dec 2011
2.5) MJU-57 ^{(5)(†)}		2016	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Apr 2016	Oct 2016	8,109	159.09	Y		Dec 2011
2.5) MJU-57 ^{(5)(†)}	✓	2016	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Apr 2016	Oct 2016	10,431	159.09	Y		Dec 2011
2.6) MJU-61 ⁽⁶⁾		2013 (28)	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Jul 2013	Nov 2014	9,130	101.10	Y		Jan 2013

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1			P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures					Aggregated Items: Air Expendable Countermeasures ⁽¹⁾				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.6) MJU-61 ⁽⁶⁾		2014 (29)	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Jun 2014	Dec 2014	4,897	84.33	Y		Jan 2013
2.6) MJU-61 ⁽⁶⁾	✓	2014	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Jun 2014	Dec 2014	9,545	84.33	Y		Jan 2013
2.6) MJU-61 ⁽⁶⁾		2015 (30)	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Apr 2015	Aug 2015	4,934	85.93	Y		Jan 2013
2.6) MJU-61 ⁽⁶⁾	✓	2015	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Apr 2015	Aug 2015	4,131	85.93	Y		Jan 2013
2.6) MJU-61 ⁽⁶⁾		2016	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Apr 2016	Aug 2016	9,583	87.65	Y		Jan 2013
2.6) MJU-61 ⁽⁶⁾	✓	2016	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	CRANE, IN	Apr 2016	Aug 2016	533	87.65	Y		Jan 2013
2.7) MJU-64 ^(†)	✓	2013	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Nov 2014	Aug 2015	21,788	90.78	Y		Apr 2014
2.7) MJU-64 ^(†)		2014 (31)	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Nov 2014	Aug 2015	38,309	90.78	Y		Apr 2014
2.7) MJU-64 ^(†)	✓	2014 (32)	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Nov 2014	Aug 2015	20,411	90.78	Y		Apr 2014
2.7) MJU-64 ^(†)		2015 (33)	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Jul 2015	Apr 2016	387	92.40	Y		Apr 2014
2.7) MJU-64 ^(†)	✓	2015 (34)	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Jul 2015	Apr 2016	16,439	92.40	Y		Apr 2014
2.7) MJU-64 ^(†)		2016	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Jun 2016	Mar 2017	10,730	97.85	Y		Apr 2014
2.7) MJU-64 ^(†)	✓	2016	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Jun 2016	Mar 2017	4,513	97.85	Y		Apr 2014
2.8) MJU-66 ^{(7)(†)}		2013 (35)	ALLOY SURFACES, INC. / ASTON, PA	SS / IDIQ	NAVSUP WSS	Aug 2014	Feb 2015	18,975	128.69	Y		Oct 2013
2.8) MJU-66 ^{(7)(†)}		2014 (36)	ALLOY SURFACES, INC. / ASTON, PA	SS / IDIQ	NAVSUP WSS	Aug 2014	Apr 2015	19,357	128.69	Y		Oct 2013
2.8) MJU-66 ^{(7)(†)}		2015	ALLOY SURFACES, INC. / ASTON, PA	SS / IDIQ	NAVSUP WSS	Jun 2015	Dec 2015	18,764	135.42	Y		Oct 2013
2.8) MJU-66 ^{(7)(†)}		2016	ALLOY SURFACES, INC. / ASTON, PA	SS / IDIQ	NAVSUP WSS	Jun 2016	Dec 2016	18,318	139.59	Y		Oct 2013
2.9) MJU-67 ^(†)		2014	Esterline Defense Technologies / Camden, AR	MIPR	DOTC	Mar 2014	Sep 2014	5,261	309.50	Y		Dec 2013

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Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures				Aggregated Items: Air Expendable Countermeasures ⁽¹⁾				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.9) MJU-67 ^(†)		2015 (37)	TBD ⁽³⁸⁾ / TBD	C / IDIQ	NAVSUP WSS	Jul 2016	Mar 2017	11,574	294.03	Y		Jan 2016
2.9) MJU-67 ^(†)		2016 (39)	TBD ⁽³⁸⁾ / TBD	C / IDIQ	NAVSUP WSS	Jul 2016	Mar 2017	12,967	279.33	Y		Jan 2016
2.10) SM875 ^{(8)(†)}	✓	2014	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	May 2014	Nov 2014	460,695	23.00	Y		Jul 2013
2.10) SM875 ^{(8)(†)}		2015	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	May 2015	Nov 2015	117,130	23.00	Y		Jul 2013
2.10) SM875 ^{(8)(†)}	✓	2015	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	May 2015	Nov 2015	284,608	23.00	Y		Jul 2013
2.10) SM875 ^{(8)(†)}		2016	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	May 2016	Nov 2016	172,174	23.00	Y		Jul 2013
2.10) SM875 ^{(8)(†)}	✓	2016	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	May 2016	Nov 2016	348,726	23.00	Y		Jul 2013
3) IMPULSE CARTRIDGES												
3.1) CCU-136 ^{(9)(†)}		2013	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2013	Apr 2014	652,202	3.81	Y		Dec 2011
3.1) CCU-136 ^{(9)(†)}		2014	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2014	Mar 2015	423,933	3.67	Y		Dec 2011
3.1) CCU-136 ^{(9)(†)}	✓	2014	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2014	Mar 2015	998,976	3.67	Y		Dec 2011
3.1) CCU-136 ^{(9)(†)}		2015	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2015	Mar 2016	298,681	3.79	Y		Dec 2011
3.1) CCU-136 ^{(9)(†)}	✓	2015	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2015	Mar 2016	705,013	3.79	Y		Dec 2011
3.1) CCU-136 ^{(9)(†)}		2016	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2016	Mar 2017	404,909	3.87	Y		Dec 2011
3.1) CCU-136 ^{(9)(†)}	✓	2016	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2016	Mar 2017	218,446	3.87	Y		Dec 2011
3.2) CCU-145 ^{(10)(†)}		2011	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	Sep 2013	Mar 2014	249,109	5.05	Y		Dec 2011
3.2) CCU-145 ^{(10)(†)}		2013	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2013	Jan 2014	274,044	4.97	Y		Dec 2011
3.2) CCU-145 ^{(10)(†)}		2014 (40)	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2014	Mar 2015	271,385	4.98	Y		Dec 2011
3.2) CCU-145 ^{(10)(†)}	✓	2014 (41)	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2014	Mar 2015	59,251	4.98	Y		Dec 2011

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1			P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures					Aggregated Items: Air Expendable Countermeasures ⁽¹⁾				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.2) CCU-145 ^{(10)(†)}		2015	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2015	Mar 2016	249,611	5.14	Y		Dec 2011
3.2) CCU-145 ^{(10)(†)}	✓	2015	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	NAVSUP WSS	May 2015	Mar 2016	43,190	5.14	Y		Dec 2011
4) CHAFF COUNTERMEASURES												
4.1) RR-129 ^{(11)(†)}		2015	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Mar 2015	Sep 2015	87,072	13.15	Y		Jun 2013
4.1) RR-129 ^{(11)(†)}		2016	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Mar 2016	Jun 2016	128,089	13.92	Y		Jun 2013
4.2) RR-144 ⁽¹²⁾		2014	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Jun 2014	Sep 2014	202,527	14.24	Y		Jun 2013
4.2) RR-144 ⁽¹²⁾		2015	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Apr 2015	Jul 2015	76,187	15.58	Y		Jun 2013
4.2) RR-144 ⁽¹²⁾		2016	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Apr 2016	Jul 2016	34,637	16.37	Y		Jun 2013
4.3) RR-170 ⁽¹³⁾		2014	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Jun 2014	Jan 2015	29,072	3.99	Y		Jun 2013
4.3) RR-170 ⁽¹³⁾		2015	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Apr 2015	Jul 2015	28,502	4.14	Y		Jun 2013
4.3) RR-170 ⁽¹³⁾		2016	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	NAVSUP WSS	Apr 2016	Jul 2016	26,651	4.39	Y		Jun 2013
5) F-35 COUNTERMEASURES												
5.1) ALE-70 ^{(15)(†)}		2010 (42)	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVSUP WSS	Aug 2011	Jun 2014	220	57,836.00	Y		Mar 2011
5.1) ALE-70 ^{(15)(†)}		2011	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVSUP WSS	May 2012	Jun 2014	120	51,200.00	Y		Mar 2011
5.1) ALE-70 ^{(15)(†)}		2014	BAE SYSTEMS / NASHUA, NH	SS / IDIQ	NAVSUP WSS	Apr 2014	Jun 2015	132	60,656.00	Y		Mar 2013
5.1) ALE-70 ^{(15)(†)}		2015	BAE SYSTEMS / NASHUA, NH	SS / IDIQ	NAVSUP WSS	Apr 2015	Jun 2016	32	57,662.00	Y		Mar 2013
5.1) ALE-70 ^{(15)(†)}		2016	BAE SYSTEMS / NASHUA, NH	SS / IDIQ	NAVSUP WSS	Apr 2016	Jun 2017	44	53,895.00	Y		Mar 2013
5.2) MJU-68 ^{(16)(†)}		2011 (43)	BAE SYSTEMS / NASHUA, NH	SS / IDIQ	NAVSUP WSS	Dec 2012	Dec 2014	1,000	2,289.00	Y		Dec 2011
5.2) MJU-68 ^{(16)(†)}		2012	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVSUP WSS	Oct 2013	Sep 2014	494	1,226.72	Y		Dec 2011
5.2) MJU-68 ^{(16)(†)}		2013	BAE SYSTEMS / NASHUA, NH	SS / IDIQ	NAVSUP WSS	Dec 2013	Apr 2015	1,081	2,200.00	Y		Dec 2011
5.2) MJU-68 ^{(16)(†)}		2014 (44)	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVSUP WSS	Jul 2015	May 2016	1,663	2,361.00	Y		Nov 2014

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1			P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures					Aggregated Items: Air Expendable Countermeasures ⁽¹⁾				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
5.2) MJU-68 ^{(16)(†)}		2015 (45)	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVSUP WSS	Jul 2015	May 2016	415	2,425.00	Y		Nov 2014
5.2) MJU-68 ^{(16)(†)}		2016	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVSUP WSS	Mar 2016	Jan 2017	623	2,473.50	Y		Nov 2014
5.3) MJU-69 ^{(17)(†)}		2011 (46)	BAE SYSTEMS / NASHUA, NH	SS / IDIQ	NAVSUP WSS	Dec 2012	Jan 2015	1,000	2,289.00	Y		Dec 2011
5.3) MJU-69 ^{(17)(†)}		2013	BAE SYSTEMS / NASHUA, NH	SS / IDIQ	NAVSUP WSS	Dec 2013	May 2015	1,081	2,200.00	Y		Dec 2011
5.3) MJU-69 ^{(17)(†)}		2014 (47)	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVSUP WSS	Jul 2015	May 2016	1,663	2,361.00	Y		Nov 2014
5.3) MJU-69 ^{(17)(†)}		2015 (48)	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVSUP WSS	Jul 2015	May 2016	415	2,425.00	Y		Nov 2014
5.3) MJU-69 ^{(17)(†)}		2016	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVSUP WSS	Mar 2016	Jan 2017	623	2,473.50	Y		Nov 2014
5.4) CCU-168 ⁽¹⁸⁾		2013	BAE SYSTEMS / NASHUA, NH	SS / IDIQ	NAVSUP WSS	Dec 2013	Jul 2014	1,257	300.00	Y		Dec 2011
5.4) CCU-168 ⁽¹⁸⁾		2014 (49)	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVSUP WSS	Jul 2015	Dec 2015	1,583	300.00	Y		Nov 2014
5.4) CCU-168 ⁽¹⁸⁾		2015 (50)	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVSUP WSS	Jul 2015	Dec 2015	415	305.70	Y		Nov 2014
5.4) CCU-168 ⁽¹⁸⁾		2016	BAE SYSTEMS / NASHUA, NH	SS / FFP	NAVSUP WSS	Mar 2016	Aug 2016	623	311.81	Y		Nov 2014
^(†) indicates the presence of a P-21												
Footnotes:												
⁽²⁰⁾ MJU-32 FY15 contract award date changed due to re-prioritization of contract actions.												
⁽²¹⁾ MJU-32 Annual production rates TBD pending contract award.												
⁽²²⁾ MJU-38 Production lead time is 2 months and deliveries delayed 8 months due to corporate decision to close Milan, TN facility and relocate production to Camden, AR.												
⁽²³⁾ MJU-38 FY15 contract award date changed due to re-prioritization of contract actions.												
⁽²⁴⁾ MJU-38 Annual production rates TBD pending contract award.												
⁽²⁵⁾ MJU-49 FY15 contract award date changed due to re-prioritization of contract actions based on F-35 requirement for new MJU-68/69 and CCU-168 contract and ALE-70 contract modifications.												
⁽²⁶⁾ MJU-49 Annual production rates TBD pending contract award.												
⁽²⁷⁾ MJU-57 FY14 date of first delivery slipped to resolve commercial vendor issues related to past test failures.												
⁽²⁸⁾ MJU-61 FY13 date of first delivery slipped to resolve issue with bulge created by crimping tool.												
⁽²⁹⁾ MJU-61 FY14 date of first delivery slipped to resolve issue with bulge created by crimping tool.												
⁽³⁰⁾ MJU-61 FY15 contract award and date of first delivery scheduled changed to mitigate delivery delay in FY14.												
⁽³¹⁾ MJU-64 Contract award and date of first delivery delayed due to modification of award strategy to encourage a new second source for pyrophoric materials. Since 1993, all pyrophoric decoys have been procured sole source from Alloy Surfaces, Inc.												

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures	Aggregated Items: Air Expendable Countermeasures ⁽¹⁾
⁽³²⁾ MJU-64 Contract award and date of first delivery delayed due to modification of award strategy to encourage to a new second source for pyrophoric materials. Since 1993, all pyrophoric decoys have been procured sole source from Alloy Surfaces, Inc. Combined FY13/FY14 OCO buy to achieve economies of scale. ⁽³³⁾ MJU-64 Date of first delivery updated to April based on actual contract procurement lead time (PLT) realized with FY14 deliveries. ⁽³⁴⁾ MJU-64 Date of first delivery updated to April based on actual contract procurement lead time (PLT) realized with FY14 deliveries. ⁽³⁵⁾ MJU-66 contract award slipped to 4th quarter FY14 due to DCMA/DCAA audit delays exceeding 120 day requirement. Contract award 1st delivery order delayed to combine USN and USAF funds to achieve economies of scale. Program delay will be mitigated by contractor accelerated delivery to attain NMRP levels supported by OPNAV N98 for contract delivery order 0001. ⁽³⁶⁾ MJU-66 contract award slipped to 4th quarter FY14 due to DCMA/DCAA audit delays exceeding 120 day requirement. Contract award 1st delivery order delayed to combine USN and USAF funds to achieve economies of scale. Program delay will be mitigated by contractor accelerated delivery to attain NMRP levels supported by OPNAV N98 for contract delivery order 0001. ⁽³⁷⁾ MJU-67 FY15 contract action was delayed to resolve composition reliability following bullet impact test failures and raw materials management from foreign supplier. ⁽³⁸⁾ MJU-67 Annual production rates TBD pending contract award. ⁽³⁹⁾ MJU-67 will combine FY15/FY16 funding to mitigate schedule slippage to meet Naval Munitions Requirements Process (NMRP) requirement for multi-spectral flare. ⁽⁴⁰⁾ CCU-145 FY14 date of first delivery revised to match current contract delivery schedule to accommodate FY11 deliveries which were added with reprogrammed funds received 4th quarter FY13. ⁽⁴¹⁾ CCU-145 FY14 date of first delivery revised to match current contract delivery schedule to accommodate FY11 deliveries which were added with reprogrammed funds received 4th quarter FY13. ⁽⁴²⁾ ALE-70 deliveries delayed due to DCMA identification of non-conformance during end item acceptance inspection. Contractor/DCMA have resolved non-conformance issues and deliveries have commenced. ⁽⁴³⁾ MJU-68 date of first delivery slipped to December 2014 due to Root Cause/Corrective Action (RCCA) to resolve test failures and explosive incident with a fatality at sub-contractor on 22 February 2014. ⁽⁴⁴⁾ MJU-68 IDIQ contract ceiling maximized due to accelerated USN/USAF combined procurement. Contract award and date of first delivery delay due to DCMA withhold of authorization to proceed due to safety and quality CARS and 22 February 2014 explosive incident at ordnance sub-contractor. Production resumed October 2014. Contract award also delayed to comply with legal requirements for sole source procurement. Will combine FY14/Y15 buy to achieve economies of scale and meet F-35A/F-35B IOC requirements. ⁽⁴⁵⁾ MJU-68 FY15 contract award and date of first delivery changed due to combined procurement with FY14. ⁽⁴⁶⁾ MJU-69 date of first delivery slipped to January 2015 due to Root Cause/Corrective Action (RCCA) to resolve test failures and explosive incident with a fatality at sub-contractor on 22 February 2014. ⁽⁴⁷⁾ MJU-69 IDIQ contract ceiling maximized due to accelerated USN/USAF combined procurement. Contract award and date of first delivery delay due to DCMA withhold of authorization to proceed due to safety and quality CARS and 22 February 2014 explosive incident at ordnance sub-contractor. Production resumed October 2014. Contract award also delayed to comply with legal requirements for sole source procurement. Will combine FY14/FY15 buy to achieve economies of scale and meet F-35A/F-35B IOC requirements. ⁽⁴⁸⁾ MJU-69 FY15 contract award and date of first delivery changed due to combined procurement with FY14. ⁽⁴⁹⁾ CCU-168 IDIQ contract ceiling maximized due to accelerated USN/USAF combined procurement. Contract award delay due to DCMA withhold of authorization to proceed due to safety and quality CARS and 22 February 2014 explosive incident at ordnance sub-contractor. Contract award also delayed to comply with legal requirements for sole source procurement. Will combine FY14/FY15 buy to achieve economies of scale and meet F-35A/F-35B IOC requirements. ⁽⁵⁰⁾ CCU-168 FY15 contract award and date of first delivery changed due to combined procurement with FY14.		

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015																
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures										Aggregated Items: Air Expendable Countermeasures ⁽¹⁾																
Items <i>(Units in Thousands)</i>							Fiscal Year 2011										Fiscal Year 2012																			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2010	BAL DUE AS OF 1 OCT	Calendar Year 2011																			Calendar Year 2012										B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
1) ACTIVE JAMMERS																																				
1.2) ALE-55 (FOTD)																																				
Prior Years Deliveries: 1159																																				
	13	2014	NAVY	.262	-	.262																										.262				
	13	2015	NAVY	.283	-	.283																										.283				
	13	2016	NAVY	.285	-	.285																										.285				
2) IR DECOYS																																				
2.1) MJU-32 ⁽²⁾																																				
Prior Years Deliveries: 394386																																				
✓	14	2014	NAVY	73.980	-	73.980																										73.980				
	15	2015	NAVY	66.045	-	66.045																										66.045				
✓	15	2015	NAVY	72.953	-	72.953																										72.953				
	15	2016	NAVY	71.845	-	71.845																										71.845				
2.2) MJU-38 ⁽³⁾																																				
Prior Years Deliveries: 263874																																				
✓	16	2014	NAVY	42.000	-	42.000																										42.000				
	17	2015	NAVY	23.789	-	23.789																										23.789				
✓	17	2015	NAVY	29.140	-	29.140																										29.140				
	17	2016	NAVY	36.634	-	36.634																										36.634				
2.3) MJU-49 ⁽⁴⁾																																				
Prior Years Deliveries: 370391																																				
	18	2015	NAVY	36.542	-	36.542																										36.542				
✓	18	2015	NAVY	83.188	-	83.188																										83.188				
2.5) MJU-57 ⁽⁵⁾																																				
Prior Years Deliveries: 130078																																				
✓	19	2013	NAVY	24.095 ⁽⁵¹⁾	-	24.095																										24.095				
✓	19	2014	NAVY	42.932	-	42.932																										42.932				
	19	2015	NAVY	10.342	-	10.342																										10.342				
✓	19	2015	NAVY	7.051	-	7.051																										7.051				
	19	2016	NAVY	8.109	-	8.109																										8.109				
✓	19	2016	NAVY	10.431	-	10.431																										10.431				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					

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Exhibit P-21, Production Schedule: PB 2016 Navy																		Date: February 2015																			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures														Aggregated Items: Air Expendable Countermeasures ⁽¹⁾													
Items <i>(Units in Thousands)</i>							Fiscal Year 2011										Fiscal Year 2012																				
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2010	BAL DUE AS OF 1 OCT	Calendar Year 2011										Calendar Year 2012														B A L						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
2.7) MJU-64																																					
✓	20	2013	NAVY	21.788	-	21.788																									21.788						
	20	2014	NAVY	38.309	-	38.309																									38.309						
✓	20	2014	NAVY	20.411	-	20.411																									20.411						
	20	2015	NAVY	.387	-	.387																									.387						
✓	20	2015	NAVY	16.439	-	16.439																									16.439						
	20	2016	NAVY	10.730	-	10.730																									10.730						
✓	20	2016	NAVY	4.513	-	4.513																									4.513						
2.8) MJU-66 ⁽⁷⁾																																					
	21	2013	NAVY	18.975	-	18.975																									18.975						
	21	2013	AF ^(‡)	62.468	-	62.468																									62.468						
	21	2013	Total	81.443	-	81.443																									81.443						
	21	2014	NAVY	19.357	-	19.357																									19.357						
	21	2014	AF ^(‡)	16.800	-	16.800																									16.800						
	21	2014	Total	36.157	-	36.157																									36.157						
	21	2015	NAVY	18.764	-	18.764																									18.764						
	21	2016	NAVY	18.318	-	18.318																									18.318						
2.9) MJU-67																																					
	23	2014	NAVY	5.261	-	5.261																									5.261						
	22	2015	NAVY	11.574	-	11.574																									11.574						
	22	2016	NAVY	12.967	-	12.967																									12.967						
2.10) SM875 ⁽⁸⁾																																					
Prior Years Deliveries: 625917																																					
✓	24	2014	NAVY	460.695	-	460.695																									460.695						
	24	2015	NAVY	117.130	-	117.130																									117.130						
✓	24	2015	NAVY	284.608	-	284.608																									284.608						
	24	2016	NAVY	172.174	-	172.174																									172.174						
✓	24	2016	NAVY	348.726	-	348.726																									348.726						
3) IMPULSE CARTRIDGES																																					
3.1) CCU-136 ⁽⁹⁾																																					
Prior Years Deliveries: 2661837																																					
	25	2013	NAVY	652.202	-	652.202																									652.202						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						

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Exhibit P-21, Production Schedule: PB 2016 Navy																	Date: February 2015																					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures																	Aggregated Items: Air Expendable Countermeasures ⁽¹⁾														
Items <i>(Units in Thousands)</i>							Fiscal Year 2011										Fiscal Year 2012																					
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 0	BAL DUE AS OF 1 OCT	Calendar Year 2011																			Calendar Year 2012										B A L		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								
	25	2014	NAVY	423.933	-	423.933																									423.933							
✓	25	2014	NAVY	998.976	-	998.976																									998.976							
	25	2015	NAVY	298.681	-	298.681																									298.681							
✓	25	2015	NAVY	705.013	-	705.013																									705.013							
	25	2016	NAVY	404.909	-	404.909																									404.909							
✓	25	2016	NAVY	218.446	-	218.446																									218.446							
3.2) CCU-145 ⁽¹⁰⁾																																						
Prior Years Deliveries: 259257																																						
	26	2011	NAVY	249.109	-	249.109																									249.109							
	26	2013	NAVY	274.044	-	274.044																									274.044							
	26	2014	NAVY	271.385	-	271.385																									271.385							
✓	26	2014	NAVY	59.251	-	59.251																									59.251							
	26	2015	NAVY	249.611	-	249.611																									249.611							
✓	26	2015	NAVY	43.190	-	43.190																									43.190							
4) CHAFF COUNTERMEASURES																																						
4.1) RR-129 ⁽¹¹⁾																																						
Prior Years Deliveries: 253110																																						
	27	2015	NAVY	87.072	-	87.072																									87.072							
	27	2016	NAVY	128.089	-	128.089																									128.089							
5) F-35 COUNTERMEASURES																																						
5.1) ALE-70 ⁽¹⁵⁾																																						
	28	2010	NAVY	.220 ⁽⁵²⁾	-	.220										A -	-	-	-	-	-	-	-	-	-	-	-	-	-	.220								
	28	2011	NAVY	.120	-	.120																			A -	-	-	-	-	.120								
	28	2014	NAVY	.132	-	.132																									.132							
	28	2014	AF ^(‡)	.104	-	.104																									.104							
	28	2014	Total	.236	-	.236																									.236							
	28	2015	NAVY	.032	-	.032																									.032							
	28	2015	AF ^(‡)	.104	-	.104																									.104							
	28	2015	Total	.136	-	.136																									.136							
	28	2016	NAVY	.044	-	.044																									.044							
	28	2016	AF ^(‡)	.176	-	.176																									.176							
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							

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Exhibit P-21, Production Schedule: PB 2016 Navy																		Date: February 2015																		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures										Aggregated Items: Air Expendable Countermeasures ⁽¹⁾																
Items <i>(Units in Thousands)</i>							Fiscal Year 2011										Fiscal Year 2012																			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2010	BAL DUE AS OF 1 OCT	Calendar Year 2011																			Calendar Year 2012										B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
	28	2016	Total	.220	-	.220																									.220					
5.2) MJU-68 ⁽¹⁶⁾																																				
	29	2011	NAVY	1.000	-	1.000																									1.000					
	29	2012	NAVY	.494	-	.494																									.494					
	29	2013	NAVY	1.081 (53)	-	1.081																									1.081					
	29	2013	AF (#)	1.272	-	1.272																									1.272					
	29	2013	Total	2.353	-	2.353																									2.353					
	29	2014	NAVY	1.663 (54)	-	1.663																									1.663					
	29	2015	NAVY	.415	-	.415																									.415					
	29	2015	AF (#)	.624	-	.624																									.624					
	29	2015	Total	1.039	-	1.039																									1.039					
	29	2016	NAVY	.623	-	.623																									.623					
	29	2016	AF (#)	1.056	-	1.056																									1.056					
	29	2016	Total	1.679	-	1.679																									1.679					
5.3) MJU-69 ⁽¹⁷⁾																																				
	30	2011	NAVY	1.000	-	1.000																									1.000					
	30	2013	NAVY	1.081 (55)	-	1.081																									1.081					
	30	2013	AF (#)	1.272	-	1.272																									1.272					
	30	2013	Total	2.353	-	2.353																									2.353					
	30	2014	NAVY	1.663 (56)	-	1.663																									1.663					
	30	2015	NAVY	.415	-	.415																									.415					
	30	2015	AF (#)	.624	-	.624																									.624					
	30	2015	Total	1.039	-	1.039																									1.039					
	30	2016	NAVY	.623	-	.623																									.623					
	30	2016	AF (#)	1.056	-	1.056																									1.056					
	30	2016	Total	1.679	-	1.679																									1.679					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015																
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures										Aggregated Items: Air Expendable Countermeasures ⁽¹⁾																
Items <i>(Units in Thousands)</i>							Fiscal Year 2013										Fiscal Year 2014																			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013																			Calendar Year 2014										B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
1) ACTIVE JAMMERS																																				
1.2) ALE-55 (FOTD)																																				
Prior Years Deliveries: 1159																																				
	13	2014	NAVY	.262	-	.262															A -	-	-	-	-	-	-	-	-	-	-	.262				
	13	2015	NAVY	.283	-	.283																										.283				
	13	2016	NAVY	.285	-	.285																										.285				
2) IR DECOYS																																				
2.1) MJU-32 ⁽²⁾																																				
Prior Years Deliveries: 394386																																				
✓	14	2014	NAVY	73.980	-	73.980																A -	-	-	-	-	-	-	-	-	14.700	59.280				
	15	2015	NAVY	66.045	-	66.045																										66.045				
✓	15	2015	NAVY	72.953	-	72.953																										72.953				
	15	2016	NAVY	71.845	-	71.845																										71.845				
2.2) MJU-38 ⁽³⁾																																				
Prior Years Deliveries: 263874																																				
✓	16	2014	NAVY	42.000	-	42.000																A -	-	-	-	-	-	-	-	-	-	42.000				
	17	2015	NAVY	23.789	-	23.789																										23.789				
✓	17	2015	NAVY	29.140	-	29.140																										29.140				
	17	2016	NAVY	36.634	-	36.634																										36.634				
2.3) MJU-49 ⁽⁴⁾																																				
Prior Years Deliveries: 370391																																				
	18	2015	NAVY	36.542	-	36.542																										36.542				
✓	18	2015	NAVY	83.188	-	83.188																										83.188				
2.5) MJU-57 ⁽⁵⁾																																				
Prior Years Deliveries: 130078																																				
✓	19	2013	NAVY	24.095 ⁽⁵¹⁾	-	24.095																A -	-	-	-	-	-	-	-	-	-	24.095				
✓	19	2014	NAVY	42.932	-	42.932																A -	-	-	-	-	-	-	-	-	-	42.932				
	19	2015	NAVY	10.342	-	10.342																										10.342				
✓	19	2015	NAVY	7.051	-	7.051																										7.051				
	19	2016	NAVY	8.109	-	8.109																										8.109				
✓	19	2016	NAVY	10.431	-	10.431																										10.431				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					

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Exhibit P-21, Production Schedule: PB 2016 Navy																		Date: February 2015																			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures										Aggregated Items: Air Expendable Countermeasures ⁽¹⁾																	
Items <i>(Units in Thousands)</i>							Fiscal Year 2013										Fiscal Year 2014																				
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013										Calendar Year 2014										B A L										
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P						
2.7) MJU-64																																					
✓	20	2013	NAVY	21.788	-	21.788																										21.788					
	20	2014	NAVY	38.309	-	38.309																										38.309					
✓	20	2014	NAVY	20.411	-	20.411																										20.411					
	20	2015	NAVY	.387	-	.387																										.387					
✓	20	2015	NAVY	16.439	-	16.439																										16.439					
	20	2016	NAVY	10.730	-	10.730																										10.730					
✓	20	2016	NAVY	4.513	-	4.513																										4.513					
2.8) MJU-66 ⁽⁷⁾																																					
	21	2013	NAVY	18.975	-	18.975																								A -	-	18.975					
	21	2013	AF ^(†)	62.468	-	62.468																								A -	-	62.468					
	21	2013	Total	81.443	-	81.443																								-	-	81.443					
	21	2014	NAVY	19.357	-	19.357																								A -	-	19.357					
	21	2014	AF ^(†)	16.800	-	16.800																								A -	-	16.800					
	21	2014	Total	36.157	-	36.157																								-	-	36.157					
	21	2015	NAVY	18.764	-	18.764																										18.764					
	21	2016	NAVY	18.318	-	18.318																										18.318					
2.9) MJU-67																																					
	23	2014	NAVY	5.261	-	5.261																								A -	-	-	.440	4.821			
	22	2015	NAVY	11.574	-	11.574																										11.574					
	22	2016	NAVY	12.967	-	12.967																										12.967					
2.10) SM875 ⁽⁸⁾																																					
Prior Years Deliveries: 625917																																					
✓	24	2014	NAVY	460.695	-	460.695																								A -	-	-	460.695				
	24	2015	NAVY	117.130	-	117.130																										117.130					
✓	24	2015	NAVY	284.608	-	284.608																										284.608					
	24	2016	NAVY	172.174	-	172.174																										172.174					
✓	24	2016	NAVY	348.726	-	348.726																										348.726					
3) IMPULSE CARTRIDGES																																					
3.1) CCU-136 ⁽⁹⁾																																					
Prior Years Deliveries: 2661837																																					
	25	2013	NAVY	652.202	-	652.202									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64.800	64.800	64.800	64.800	64.800	64.800	263.402
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						

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Exhibit P-21, Production Schedule: PB 2016 Navy																			Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures												Aggregated Items: Air Expendable Countermeasures ⁽¹⁾														
Items <i>(Units in Thousands)</i>							Fiscal Year 2013										Fiscal Year 2014																
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 2	BAL DUE AS OF 1 OCT	Calendar Year 2013																Calendar Year 2014										B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
	25	2014	NAVY	423.933	-	423.933																											423.933
✓	25	2014	NAVY	998.976	-	998.976																											998.976
	25	2015	NAVY	298.681	-	298.681																											298.681
✓	25	2015	NAVY	705.013	-	705.013																											705.013
	25	2016	NAVY	404.909	-	404.909																											404.909
✓	25	2016	NAVY	218.446	-	218.446																											218.446
3.2) CCU-145 ⁽¹⁰⁾																																	
Prior Years Deliveries: 259257																																	
	26	2011	NAVY	249.109	-	249.109												A -	-	-	-	-	-	10.000	10.000	12.673	20.000	20.000	20.000	20.000	20.000	136.436	
	26	2013	NAVY	274.044	-	274.044									A -	-	-	-	-	-	-	-	40.000	40.000	20.000	20.000	20.000	20.000	20.000	20.000	20.000	54.044	
	26	2014	NAVY	271.385	-	271.385																											271.385
✓	26	2014	NAVY	59.251	-	59.251																											59.251
	26	2015	NAVY	249.611	-	249.611																											249.611
✓	26	2015	NAVY	43.190	-	43.190																											43.190
4) CHAFF COUNTERMEASURES																																	
4.1) RR-129 ⁽¹¹⁾																																	
Prior Years Deliveries: 253110																																	
	27	2015	NAVY	87.072	-	87.072																											87.072
	27	2016	NAVY	128.089	-	128.089																											128.089
5) F-35 COUNTERMEASURES																																	
5.1) ALE-70 ⁽¹⁵⁾																																	
	28	2010	NAVY	.220 ⁽⁵²⁾	-	.220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.055	.035	.015	.015	.100		
	28	2011	NAVY	.120	-	.120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.005	.005	.005	.005	.100		
	28	2014	NAVY	.132	-	.132																											.132
	28	2014	AF ^(‡)	.104	-	.104																											.104
	28	2014	Total	.236	-	.236																											.236
	28	2015	NAVY	.032	-	.032																											.032
	28	2015	AF ^(‡)	.104	-	.104																											.104
	28	2015	Total	.136	-	.136																											.136
	28	2016	NAVY	.044	-	.044																											.044
	28	2016	AF ^(‡)	.176	-	.176																											.176
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Navy																		Date: February 2015																		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures										Aggregated Items: Air Expendable Countermeasures ⁽¹⁾																
Items <i>(Units in Thousands)</i>							Fiscal Year 2013										Fiscal Year 2014																			
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013																			Calendar Year 2014										B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
	28	2016	Total	.220	-	.220																										.220				
5.2) MJU-68 ⁽¹⁶⁾																																				
	29	2011	NAVY	1.000	-	1.000			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000					
	29	2012	NAVY	.494	-	.494												A -	-	-	-	-	-	-	-	-	-	-	-	.494	-					
	29	2013	NAVY	1.081 (53)	-	1.081															A -	-	-	-	-	-	-	-	-	-	-	1.081				
	29	2013	AF (*)	1.272	-	1.272															A -	-	-	-	-	-	-	-	-	-	-	1.272				
	29	2013	Total	2.353	-	2.353															-	-	-	-	-	-	-	-	-	-	-	2.353				
	29	2014	NAVY	1.663 (54)	-	1.663																										1.663				
	29	2015	NAVY	.415	-	.415																										.415				
	29	2015	AF (*)	.624	-	.624																										.624				
	29	2015	Total	1.039	-	1.039																										1.039				
	29	2016	NAVY	.623	-	.623																										.623				
	29	2016	AF (*)	1.056	-	1.056																										1.056				
	29	2016	Total	1.679	-	1.679																										1.679				
5.3) MJU-69 ⁽¹⁷⁾																																				
	30	2011	NAVY	1.000	-	1.000			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.000					
	30	2013	NAVY	1.081 (55)	-	1.081																A -	-	-	-	-	-	-	-	-	-	1.081				
	30	2013	AF (*)	1.272	-	1.272																A -	-	-	-	-	-	-	-	-	-	1.272				
	30	2013	Total	2.353	-	2.353																-	-	-	-	-	-	-	-	-	-	2.353				
	30	2014	NAVY	1.663 (56)	-	1.663																										1.663				
	30	2015	NAVY	.415	-	.415																										.415				
	30	2015	AF (*)	.624	-	.624																										.624				
	30	2015	Total	1.039	-	1.039																										1.039				
	30	2016	NAVY	.623	-	.623																										.623				
	30	2016	AF (*)	1.056	-	1.056																										1.056				
	30	2016	Total	1.679	-	1.679																										1.679				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L					

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures										Aggregated Items: Air Expendable Countermeasures ⁽¹⁾														
Items <i>(Units in Thousands)</i>							Fiscal Year 2015										Fiscal Year 2016																	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015																			Calendar Year 2016								B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
2.7) MJU-64																																		
✓	20	2013	NAVY	21.788	-	21.788		A -	-	-	-	-	-	-	-	-	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.988		-			
	20	2014	NAVY	38.309	-	38.309		A -	-	-	-	-	-	-	-	-	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.109		-			
✓	20	2014	NAVY	20.411	-	20.411		A -	-	-	-	-	-	-	-	-	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	.611		-		
	20	2015	NAVY	.387	-	.387										A -	-	-	-	-	-	-	-	-	-	-	.387				-			
✓	20	2015	NAVY	16.439	-	16.439										A -	-	-	-	-	-	-	-	-	-	.872	1.400	1.400	1.400	1.400	1.400	8.567		
	20	2016	NAVY	10.730	-	10.730																						A -	-	-	-	10.730		
✓	20	2016	NAVY	4.513	-	4.513																						A -	-	-	-	4.513		
2.8) MJU-66 ⁽⁷⁾																																		
	21	2013	NAVY	18.975	-	18.975	-	-	-	-	8.400	8.400	2.175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	21	2013	AF ^(†)	62.468	-	62.468	-	-	-	-	-	-	-	-	3.668	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	-	-	-			
	21	2013	Total	81.443	-	81.443	-	-	-	-	8.400	8.400	2.175	-	3.668	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	8.400	-	-	-			
	21	2014	NAVY	19.357	-	19.357	-	-	-	-	-	-	6.225	8.400	4.732	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	21	2014	AF ^(†)	16.800	-	16.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.400	8.400	-	-	-	-			
	21	2014	Total	36.157	-	36.157	-	-	-	-	-	-	6.225	8.400	4.732	-	-	-	-	-	-	-	-	-	-	8.400	8.400	-	-	-	-			
	21	2015	NAVY	18.764	-	18.764									A -	-	-	-	-	-	-	-	1.384	1.580	1.580	1.580	1.580	1.580	1.580	1.580	3.160			
	21	2016	NAVY	18.318	-	18.318																						A -	-	-	-	18.318		
2.9) MJU-67																																		
	23	2014	NAVY	5.261	.440	4.821	.440	.440	.440	.440	.440	.440	.440	.440	.440	.421															-			
	22	2015	NAVY	11.574	-	11.574																							A -	-	-	11.574		
	22	2016	NAVY	12.967	-	12.967																							A -	-	-	12.967		
2.10) SM875 ⁽⁸⁾																																		
Prior Years Deliveries: 625917																																		
✓	24	2014	NAVY	460.695	-	460.695	-	38.400	38.400	38.400	38.400	38.400	38.400	38.400	38.400	38.400	38.295														-			
	24	2015	NAVY	117.130	-	117.130									A -	-	-	-	-	-	-	9.761	9.761	9.761	9.761	9.761	9.761	9.761	9.761	9.760	9.760			
✓	24	2015	NAVY	284.608	-	284.608									A -	-	-	-	-	-	-	23.718	23.718	23.718	23.718	23.717	23.717	23.717	23.717	23.717	23.717			
	24	2016	NAVY	172.174	-	172.174																						A -	-	-	-	172.174		
✓	24	2016	NAVY	348.726	-	348.726																						A -	-	-	-	348.726		
3) IMPULSE CARTRIDGES																																		
3.1) CCU-136 ⁽⁹⁾																																		
Prior Years Deliveries: 2661837																																		
	25	2013	NAVY	652.202	388.800	263.402	47.402	43.200	43.200	43.200	43.200	43.200																			-			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures										Aggregated Items: Air Expendable Countermeasures ⁽¹⁾												
Items <i>(Units in Thousands)</i>							Fiscal Year 2015										Fiscal Year 2016															
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015										Calendar Year 2016										B A L					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P	
	25	2014	NAVY	423.933	-	423.933	-	-	-	-	-	21.600	43.200	43.200	43.200	43.200	43.200	43.200	43.200	43.200	21.600	21.600	13.533								-	
✓	25	2014	NAVY	998.976	-	998.976	-	-	-	-	-	43.200	86.400	86.400	86.400	86.400	86.400	86.400	86.400	86.400	86.400	91.776								-		
	25	2015	NAVY	298.681	-	298.681								A -	-	-	-	-	-	-	-	-	-	43.200	39.481	21.600	21.600	21.600	21.600	21.600	108.000	
✓	25	2015	NAVY	705.013	-	705.013								A -	-	-	-	-	-	-	-	-	-	64.800	64.800	64.800	64.800	64.800	64.800	64.800	251.413	
	25	2016	NAVY	404.909	-	404.909																					A -	-	-	-	404.909	
✓	25	2016	NAVY	218.446	-	218.446																					A -	-	-	-	218.446	
3.2) CCU-145 ⁽¹⁰⁾																																
Prior Years Deliveries: 259257																																
	26	2011	NAVY	249.109	112.673	136.436	20.000	20.000	25.956	40.000	30.480																				-	
	26	2013	NAVY	274.044	220.000	54.044	20.000	20.000	14.044																				-			
	26	2014	NAVY	271.385	-	271.385	-	-	-	-	-	20.000	20.000	20.000	20.000	20.000	20.749	25.000	25.000	25.000	25.000	25.000	25.636								-	
✓	26	2014	NAVY	59.251	-	59.251	-	-	-	-	-	10.000	10.000	10.000	10.000	10.000	9.251											-				
	26	2015	NAVY	249.611	-	249.611								A -	-	-	-	-	-	-	-	-	-	20.000	20.000	20.000	20.000	26.810	21.000	21.000	100.801	
✓	26	2015	NAVY	43.190	-	43.190								A -	-	-	-	-	-	-	-	-	-	10.000	10.000	10.000	10.000	3.190			-	
4) CHAFF COUNTERMEASURES																																
4.1) RR-129 ⁽¹¹⁾																																
Prior Years Deliveries: 253110																																
	27	2015	NAVY	87.072	-	87.072							A -	-	-	-	-	-	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	7.072					-
	27	2016	NAVY	128.089	-	128.089																		A -	-	-	11.000	11.000	11.000	11.000	84.089	
5) F-35 COUNTERMEASURES																																
5.1) ALE-70 ⁽¹⁵⁾																																
	28	2010	NAVY	.220 ⁽⁵²⁾	.120	.100	.015	.015	.015	.015	.015	.015	.005	.005																	-	
	28	2011	NAVY	.120	.020	.100	.005	.005	.005	.005	.015	.015	.025	.025																	-	
	28	2014	NAVY	.132	-	.132	-	-	-	-	-	-	-	-	.011	.011	.011	.011	.011	.011	.011	.011	.011	.011	.011	.011	.011					-
	28	2014	AF ^(‡)	.104	-	.104	-	-	-	-	-	-	-	-	.009	.009	.009	.009	.009	.009	.009	.009	.008	.008	.008	.008					-	
	28	2014	Total	.236	-	.236	-	-	-	-	-	-	-	-	.020	.020	.020	.020	.020	.020	.020	.020	.020	.019	.019	.019	.019					-
	28	2015	NAVY	.032	-	.032							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	.003	.003	.003	.003	.020	
	28	2015	AF ^(‡)	.104	-	.104							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	.009	.009	.009	.009	.068	
	28	2015	Total	.136	-	.136							-	-	-	-	-	-	-	-	-	-	-	-	-	-	.012	.012	.012	.012	.088	
	28	2016	NAVY	.044	-	.044																				A -	-	-	-	-	.044	
	28	2016	AF ^(‡)	.176	-	.176																				A -	-	-	-	-	.176	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																			Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures										Aggregated Items: Air Expendable Countermeasures ⁽¹⁾													
Items <i>(Units in Thousands)</i>							Fiscal Year 2015										Fiscal Year 2016																
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015										Calendar Year 2016										B A L						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P		
	28	2016	Total	.220	-	.220																					-	-	-	-	-	-	.220
5.2) MJU-68 ⁽¹⁶⁾																																	
	29	2011	NAVY	1.000	-	1.000	-	-	.250	.250	.250	.250																				-	
	29	2012	NAVY	.494	.494	-																											-
	29	2013	NAVY	1.081 (53)	-	1.081	-	-	-	-	-	-	.250	.250	.250	.250	.081	-	-	-	-	-											-
	29	2013	AF (#)	1.272	-	1.272	-	-	-	-	-	-	-	-	-	.169	.250	.250	.250	.250	.103											-	
	29	2013	Total	2.353	-	2.353	-	-	-	-	-	-	.250	.250	.250	.250	.250	.250	.250	.250	.103											-	
	29	2014	NAVY	1.663 (54)	-	1.663									A -	-	-	-	-	-	-	-	-	-	-	.250	.250	.250	.250	.250		.413	
	29	2015	NAVY	.415	-	.415									A -	-	-	-	-	-	-	-	-	-	-	.250	.165	-	-	-	-	-	
	29	2015	AF (#)	.624	-	.624									A -	-	-	-	-	-	-	-	-	-	-	-	.085	.250	.250	.039	-	-	
	29	2015	Total	1.039	-	1.039									-	-	-	-	-	-	-	-	-	-	-	.250	.250	.250	.250	.039	-	-	
	29	2016	NAVY	.623	-	.623																			A -	-	-	-	-	-	-	.623	
	29	2016	AF (#)	1.056	-	1.056																			A -	-	-	-	-	-	-	1.056	
	29	2016	Total	1.679	-	1.679																			-	-	-	-	-	-	-	1.679	
5.3) MJU-69 ⁽¹⁷⁾																																	
	30	2011	NAVY	1.000	-	1.000	-	-	-	.250	.250	.250	.250																				-
	30	2013	NAVY	1.081 (55)	-	1.081	-	-	-	-	-	-	.250	.250	.250	.250	.081	-	-	-	-	-											-
	30	2013	AF (#)	1.272	-	1.272	-	-	-	-	-	-	-	-	-	.169	.250	.250	.250	.250	.103											-	
	30	2013	Total	2.353	-	2.353	-	-	-	-	-	-	.250	.250	.250	.250	.250	.250	.250	.250	.103											-	
	30	2014	NAVY	1.663 (56)	-	1.663									A -	-	-	-	-	-	-	-	-	-	-	.250	.250	.250	.250	.250		.413	
	30	2015	NAVY	.415	-	.415									A -	-	-	-	-	-	-	-	-	-	-	.250	.165	-	-	-	-	-	
	30	2015	AF (#)	.624	-	.624									A -	-	-	-	-	-	-	-	-	-	-	-	.085	.250	.250	.039	-	-	
	30	2015	Total	1.039	-	1.039									-	-	-	-	-	-	-	-	-	-	-	.250	.250	.250	.250	.039	-	-	
	30	2016	NAVY	.623	-	.623																			A -	-	-	-	-	-	-	.623	
	30	2016	AF (#)	1.056	-	1.056																			A -	-	-	-	-	-	-	1.056	
	30	2016	Total	1.679	-	1.679																			-	-	-	-	-	-	-	1.679	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Navy																												Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures														Aggregated Items: Air Expendable Countermeasures ⁽¹⁾												
Items <i>(Units in Thousands)</i>						Fiscal Year 2017												Fiscal Year 2018																		
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017												Calendar Year 2018												B A L					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
1) ACTIVE JAMMERS																																				
1.2) ALE-55 (FOTD)																																				
Prior Years Deliveries: 1159																																				
	13	2014	NAVY		.262	.262	-																									-				
	13	2015	NAVY		.283	.225	.058	.025	.025	.008																									-	
	13	2016	NAVY		.285	-	.285	-	-	-	.024	.024	.024	.024	.024	.023	.023	.023	.024	.024	.024	.024													-	
2) IR DECOYS																																				
2.1) MJU-32 ⁽²⁾																																				
Prior Years Deliveries: 394386																																				
✓	14	2014	NAVY		73.980	73.980	-																									-				
	15	2015	NAVY		66.045	66.045	-																									-				
✓	15	2015	NAVY		72.953	72.953	-																									-				
	15	2016	NAVY		71.845	-	71.845	5.880	5.880	5.880	5.880	5.880	6.095	6.094	6.094	6.094	6.094	6.094													-					
2.2) MJU-38 ⁽³⁾																																				
Prior Years Deliveries: 263874																																				
✓	16	2014	NAVY		42.000	42.000	-																									-				
	17	2015	NAVY		23.789	23.789	-																									-				
✓	17	2015	NAVY		29.140	29.140	-																									-				
	17	2016	NAVY		36.634	-	36.634	3.062	3.052	3.052	3.052	3.052	3.052	3.052	3.052	3.052	3.052	3.052													-					
2.3) MJU-49 ⁽⁴⁾																																				
Prior Years Deliveries: 370391																																				
	18	2015	NAVY		36.542	24.362	12.180	3.045	3.045	3.045	3.045																									-
✓	18	2015	NAVY		83.188	69.120	14.068	8.640	5.428																									-		
2.5) MJU-57 ⁽⁵⁾																																				
Prior Years Deliveries: 130078																																				
✓	19	2013	NAVY		24.095 ⁽⁵¹⁾	24.095	-																									-				
✓	19	2014	NAVY		42.932	42.932	-																									-				
	19	2015	NAVY		10.342	10.342	-																									-				
✓	19	2015	NAVY		7.051	7.051	-																									-				
	19	2016	NAVY		8.109	-	8.109	3.600	3.600	.909																									-	
✓	19	2016	NAVY		10.431	-	10.431	3.600	3.600	3.231	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures										Aggregated Items: Air Expendable Countermeasures ⁽¹⁾												
Items <i>(Units in Thousands)</i>						Fiscal Year 2017										Fiscal Year 2018																
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017										Calendar Year 2018										B A L					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P	
	25	2014	NAVY	423.933	423.933	-																					-					
✓	25	2014	NAVY	998.976	998.976	-																					-					
	25	2015	NAVY	298.681	190.681	108.000	21.600	21.600	21.600	21.600	21.600																-					
✓	25	2015	NAVY	705.013	453.600	251.413	64.800	64.800	42.300	42.300	37.213																-					
	25	2016	NAVY	404.909	-	404.909	-	-	-	-	-	42.300	42.300	42.300	42.300	42.300	42.300	22.409	21.600	21.600	21.600	21.600						-				
✓	25	2016	NAVY	218.446	-	218.446	-	-	-	-	-	21.600	21.600	21.600	21.600	21.600	21.600	21.600	21.600	21.600	2.446						-					
3.2) CCU-145 ⁽¹⁰⁾																																
Prior Years Deliveries: 259257																																
	26	2011	NAVY	249.109	249.109	-																					-					
	26	2013	NAVY	274.044	274.044	-																					-					
	26	2014	NAVY	271.385	271.385	-																					-					
✓	26	2014	NAVY	59.251	59.251	-																					-					
	26	2015	NAVY	249.611	148.810	100.801	21.000	21.000	21.000	21.000	16.801																-					
✓	26	2015	NAVY	43.190	43.190	-																					-					
4) CHAFF COUNTERMEASURES																																
4.1) RR-129 ⁽¹¹⁾																																
Prior Years Deliveries: 253110																																
	27	2015	NAVY	87.072	87.072	-																					-					
	27	2016	NAVY	128.089	44.000	84.089	11.000	11.000	11.000	11.000	11.000	11.000	11.000	7.089																-		
5) F-35 COUNTERMEASURES																																
5.1) ALE-70 ⁽¹⁵⁾																																
	28	2010	NAVY	.220 ⁽⁵²⁾	.220	-																					-					
	28	2011	NAVY	.120	.120	-																					-					
	28	2014	NAVY	.132	.132	-																					-					
	28	2014	AF ^(‡)	.104	.104	-																					-					
	28	2014	Total	.236	.236	-																					-					
	28	2015	NAVY	.032	.012	.020	.003	.003	.003	.003	.002	.002	.002	.002											-							
	28	2015	AF ^(‡)	.104	.036	.068	.009	.009	.009	.009	.008	.008	.008	.008											-							
	28	2015	Total	.136	.048	.088	.012	.012	.012	.012	.010	.010	.010	.010											-							
	28	2016	NAVY	.044	-	.044	-	-	-	-	-	-	-	-	.004	.004	.004	.004	.004	.004	.004	.003	.003	.003	.003						-	
	28	2016	AF ^(‡)	.176	-	.176	-	-	-	-	-	-	-	-	.015	.015	.015	.015	.015	.015	.015	.014	.014	.014	.014						-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																		Date: February 2015																	
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures																		Aggregated Items: Air Expendable Countermeasures ⁽¹⁾										
Items <i>(Units in Thousands)</i>							Fiscal Year 2017												Fiscal Year 2018																
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017																		Calendar Year 2018										B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
	28	2016	Total	.220	-	.220	-	-	-	-	-	-	-	-	.019	.019	.019	.019	.019	.019	.019	.017	.017	.017	.017	.017						-			
5.2) MJU-68 ⁽¹⁶⁾																																			
	29	2011	NAVY	1.000	1.000	-																										-			
	29	2012	NAVY	.494	.494	-																										-			
	29	2013	NAVY	1.081 (53)	1.081	-																										-			
	29	2013	AF (#)	1.272	1.272	-																										-			
	29	2013	Total	2.353	2.353	-																										-			
	29	2014	NAVY	1.663 (54)	1.250	.413	.250	.163																									-		
	29	2015	NAVY	.415	.415	-																										-			
	29	2015	AF (#)	.624	.624	-																										-			
	29	2015	Total	1.039	1.039	-																										-			
	29	2016	NAVY	.623	-	.623	-	-	-	-	.250	.250	.123	-	-	-	-																-		
	29	2016	AF (#)	1.056	-	1.056	-	-	-	-	-	-	.127	.250	.250	.250	.179																-		
	29	2016	Total	1.679	-	1.679	-	-	-	-	.250	.250	.250	.250	.250	.250	.179																-		
5.3) MJU-69 ⁽¹⁷⁾																																			
	30	2011	NAVY	1.000	1.000	-																										-			
	30	2013	NAVY	1.081 (55)	1.081	-																										-			
	30	2013	AF (#)	1.272	1.272	-																										-			
	30	2013	Total	2.353	2.353	-																										-			
	30	2014	NAVY	1.663 (56)	1.250	.413																										.250	.163		
	30	2015	NAVY	.415	.415	-																										-			
	30	2015	AF (#)	.624	.624	-																										-			
	30	2015	Total	1.039	1.039	-																										-			
	30	2016	NAVY	.623	-	.623	-	-	-	-	.250	.250	.123	-	-	-	-																-		
	30	2016	AF (#)	1.056	-	1.056	-	-	-	-	-	-	.127	.250	.250	.250	.179																-		
	30	2016	Total	1.679	-	1.679	-	-	-	-	.250	.250	.250	.250	.250	.250	.179																-		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

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Exhibit P-21, Production Schedule: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1					P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures				Aggregated Items: Air Expendable Countermeasures ⁽¹⁾			
		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	BAE SYSTEMS - NASHUA, NH	72	360	600	-	2	14	16	-	2	14	16
2	KILGORE FLARES - TOONE, TN	70,560	176,400	353,000	-	-	-	-	-	3	9	12
3	TBD ⁽²¹⁾ - TBD	-	-	-	-	8	6	14	-	8	5	13
4	ARMTEC DEFENSE, INC. - COACHELLA, CA	42,000	176,400	370,000	-	-	-	-	-	3	2	5
5	TBD ⁽²⁴⁾ - TBD	-	-	-	-	8	7	15	-	8	5	13
6	TBD ⁽²⁶⁾ - TBD	-	-	-	-	9	8	17	-	9	6	15
7	CRANE ARMY AMMUNITION ACTIVITY - CRANE, IN	12,000	86,400	129,000	-	-	-	-	-	7	6	13
8	ARMTEC DEFENSE, INC. - COACHELLA, CA	14,560	43,680	150,000	-	14	9	23	-	9	9	18
9	ALLOY SURFACES, INC. - ASTON, PA	15,000	100,800	201,600	-	11	6	17	-	9	6	15
10	TBD ⁽³⁸⁾ - TBD	-	-	-	-	10	8	18	-	-	-	-
11	Esterline Defense Technologies - Camden, AR	5,000	18,000	20,000	-	6	6	12	-	-	-	-
12	ARMTEC DEFENSE, INC. - COACHELLA, CA	66,000	230,400	537,600	-	8	6	14	-	8	6	14
13	CAPCO, INC - GRAND JUNCTION, CO	220,000	1,296,000	1,555,200	-	9	9	18	-	8	10	18
14	CAPCO, INC - GRAND JUNCTION, CO	220,000	240,000	480,000	-	9	7	16	-	8	10	18
15	ARMTEC DEFENSE, INC. - COACHELLA, CA	100,000	345,600	1,409,650	-	6	6	12	-	6	3	9
16	BAE SYSTEMS - NASHUA, NH	120	360	3,600	-	7	14	21	-	7	14	21
17	BAE SYSTEMS - NASHUA, NH	1,000	3,000	12,000	-	10	10	20	-	6	10	16
18	BAE SYSTEMS - NASHUA, NH	1,000	3,000	12,000	-	10	10	20	-	6	10	16

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

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

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Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures	Aggregated Items: Air Expendable Countermeasures ⁽¹⁾
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: ⁽²¹⁾ MJU-32 Annual production rates TBD pending contract award. ⁽²⁴⁾ MJU-38 Annual production rates TBD pending contract award. ⁽²⁶⁾ MJU-49 Annual production rates TBD pending contract award. ⁽³⁸⁾ MJU-67 Annual production rates TBD pending contract award. ⁽⁵¹⁾ MJU-57 Production is on schedule, but deliveries are behind schedule due to two lot failures for broken flange issues. Investigation completed and Lot Acceptance deviation waiver pending. ⁽⁵²⁾ ALE-70 deliveries delayed due to DCMA identification of non-conformance during end item acceptance inspection. Non-conformance corrected, production resumed. ⁽⁵³⁾ USAF FY-13 MJU-68 Deliveries funded with FY12 3010 ⁽⁵⁴⁾ USAF FY-14 MJU-68 procurement quantity/delivery TBD ⁽⁵⁵⁾ USAF FY-13 MJU-69 Deliveries funded with FY12 3010 ⁽⁵⁶⁾ USAF FY14 MJU-69 USAF procurement quantity/delivery TBD		

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition							P-1 Line Item Number / Title: 0194 / Jet Assisted Take Off (JATOs)					
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>	58.962	2.749	-	2.806	-	2.806	2.863	2.895	2.951	3.010	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	58.962	2.749	-	2.806	-	2.806	2.863	2.895	2.951	3.010	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	58.962	2.749	-	2.806	-	2.806	2.863	2.895	2.951	3.010	Continuing	Continuing
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Jet Assisted Take Offs (JATOs) are solid propellant rocket motors used to launch BQM-74 target drones in support of Combat System Ship Qualification Trials (CSSQT) for Navy surface ships and other fleet events. [P40A / OTHER COSTS]: Other Cost includes Production Engineering Support (PES), Integrated Logistics Support (ILS), Reliability Life (i.e. Safety and Product Improvement Program (PIP), Quality Assurance and Acceptance Testing.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition				P-1 Line Item Number / Title: 0194 / Jet Assisted Take Off (JATOs)				
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 (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Jet Assisted Take Off (JATOs)	P-40a, P-5a, P-21		- / 58.962	- / 2.749	- / -	- / 2.806	- / -	- / 2.806
Total Gross/Weapon System Cost			- / 58.962	- / 2.749	- / -	- / 2.806	- / -	- / 2.806
*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:

FY15 Congressional Reduction of \$2.76M due to Program Delay arising from a MK117 Jet Assisted Take-Off (JATO) motor production stoppage in 2012 when the rocket motor propellant grain failed qualification testing. A recently completed Engineering Investigation (EI) supports production re-start in FY15.

The FY16 baseline funding is required for MK117 procurement to enable continued BQM-74 target operations through FY20. Without FY16 baseline funding, JATO production deliveries will be unable to match anticipated expenditures, limiting the capability of the Navy surface fleet to conduct pre-deployment training. Although the MK117 Mod 0 is the only JATO currently being procured, they have been out of production since 2012 when the rocket motor propellant grain failed qualification testing. A recently completed Engineering Investigation (EI) supports production re-start in FY15 and NSWC Indian Head production capacity supports deliveries of all remaining MK117 JATOs procured with funding from FY10 through FY14. The deliveries of these units procured with prior year funds, will commence in FY16 with completion in FY17.

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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: 1508N / 01 / 1									P-1 Line Item Number / Title: 0194 / Jet Assisted Take Off (JATOs)						Aggregated Items Title: Jet Assisted Take Off (JATOs)				

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) JATO																				
1.1) Mk 117 MOD O ROCKET MOTORS ^(t)	A		2,913.44	14,649	42.679	5,661.21	422	2.389	-	-	-	5,865.71	417	2.446	-	-	-	5,865.71	417	2.446
Subtotal: 1) JATO			-	-	42.679	-	-	2.389	-	-	-	-	-	2.446	-	-	-	-	-	2.446
2) Support																				
2.1) OTHER COSTS	A		-	-	16.283	-	-	0.360	-	-	-	-	-	0.360	-	-	-	-	-	0.360
Subtotal: 2) Support			-	-	16.283	-	-	0.360	-	-	-	-	-	0.360	-	-	-	-	-	0.360
Total			-	-	58.962	-	-	2.749	-	-	-	-	-	2.806	-	-	-	-	-	2.806

^(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: 1508N / 01 / 1				P-1 Line Item Number / Title: 0194 / Jet Assisted Take Off (JATOs)				Aggregated Items: Jet Assisted Take Off (JATOs)				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) JATO												
1.1) Mk 117 MOD O ROCKET MOTORS ^(†)		2010 (1)	NSWC INDIAN HEAD DIV / Indian Head, MD	PO	NSWC	Oct 2009	Aug 2016	510	4,660.78	Y		
1.1) Mk 117 MOD O ROCKET MOTORS ^(†)		2011 (2)	NSWC INDIAN HEAD DIV / Indian Head, MD	PO	NSWC	Oct 2010	Sep 2016	428	4,969.63	Y		
1.1) Mk 117 MOD O ROCKET MOTORS ^(†)		2012 (3)	NSWC INDIAN HEAD DIV / Indian Head, MD	PO	NSWC	Jan 2012	Dec 2016	338	4,881.66	Y		
1.1) Mk 117 MOD O ROCKET MOTORS ^(†)		2013 (4)	NSWC INDIAN HEAD DIV / Indian Head, MD	PO	NSWC	Oct 2013	Mar 2017	228	5,684.21	Y		
1.1) Mk 117 MOD O ROCKET MOTORS ^(†)		2014 (5)	NSWC INDIAN HEAD DIV / Indian Head, MD	PO	NSWC	Dec 2013	Apr 2017	422	5,661.21	Y		
1.1) Mk 117 MOD O ROCKET MOTORS ^(†)		2016	NSWC INDIAN HEAD DIV / Indian Head, MD	PO	NSWC	Dec 2015	Feb 2018	417	5,865.71	Y		
^(†) indicates the presence of a P-21												
Footnotes: ⁽¹⁾ Due to PDOCs limitations, only 24 months can be shown in the delivery schedule. In August 2012, 308 units were delivered; these deliveries are recorded in August 2016. The remaining 202 units will be delivered upon receipt of propellant and at completion of First Article Testing starting in September 2016. Deliveries will complete in October 2015. ⁽²⁾ Nominal manufacturing lead-time is 18 months, but FY10 - FY14 production units are on hold due to propellant grain manufacturing issues. Recently completed Engineering Investigation (EI) supports production re-start in FY15. NSWC production capacity supports delivery of FY10-FY14 units starting in FY16, with completion in FY17. ⁽³⁾ Nominal manufacturing lead-time is 18 months, but FY10 - FY14 production units are on hold due to propellant grain manufacturing issues. Recently completed Engineering Investigation (EI) supports production re-start in FY15. NSWC production capacity supports delivery of FY10-FY14 units starting in FY16, with completion in FY17. ⁽⁴⁾ Nominal manufacturing lead-time is 18 months, but FY10 - FY14 production units are on hold due to propellant grain manufacturing issues. Recently completed Engineering Investigation (EI) supports production re-start in FY15. NSWC production capacity supports delivery of FY10-FY14 units starting in FY16, with completion in FY17. ⁽⁵⁾ Nominal manufacturing lead-time is 18 months, but FY10 - FY14 production units are on hold due to propellant grain manufacturing issues. Recently completed Engineering Investigation (EI) supports production re-start in FY15. NSWC production capacity supports delivery of FY10-FY14 units starting in FY16, with completion in FY17.												

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1											P-1 Line Item Number / Title: 0194 / Jet Assisted Take Off (JATOs)											Aggregated Items: Jet Assisted Take Off (JATOs)										
Items <i>(Units in Each)</i>							Fiscal Year 2010											Fiscal Year 2011														
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2009	BAL DUE AS OF 1 OCT	Calendar Year 2010											Calendar Year 2011											B A L			
							O	N	D	J	F	M	A	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A		S		
							C	O	E	A	E	A	U	U	U	E	C	O	O	E	A	E	A	A	U	U	U	E				
							T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L		G	P	
1) JATO																																
1.1) Mk 117 MOD O ROCKET MOTORS																																
Prior Years Deliveries: 13145																																
	31	2010	NAVY	510	-	510	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	510	
	31	2011	NAVY	428	-	428													A -	-	-	-	-	-	-	-	-	-	-	-	428	
	31	2012	NAVY	338	-	338																									338	
	31	2013	NAVY	228	-	228																									228	
	31	2014	NAVY	422	-	422																									422	
	31	2016	NAVY	417	-	417																									417	
							O	N	D	J	F	M	A	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	B		
							C	O	E	A	E	A	U	U	U	E	C	O	O	E	A	E	A	A	U	U	U	E	A	L		
							T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P		

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0194 / Jet Assisted Take Off (JATOs)													Aggregated Items: Jet Assisted Take Off (JATOs)									
Items <i>(Units in Each)</i>							Fiscal Year 2012												Fiscal Year 2013													
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	Calendar Year 2012												Calendar Year 2013												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
1) JATO																																
1.1) Mk 117 MOD O ROCKET MOTORS																																
Prior Years Deliveries: 13145																																
	31	2010	NAVY	510	-	510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	510	
	31	2011	NAVY	428	-	428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	428	
	31	2012	NAVY	338	-	338				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	338	
	31	2013	NAVY	228	-	228																									228	
	31	2014	NAVY	422	-	422																									422	
	31	2016	NAVY	417	-	417																									417	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0194 / Jet Assisted Take Off (JATOs)													Aggregated Items: Jet Assisted Take Off (JATOs)									
Items <i>(Units in Each)</i>							Fiscal Year 2014												Fiscal Year 2015													
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
1) JATO																																
1.1) Mk 117 MOD O ROCKET MOTORS																																
Prior Years Deliveries: 13145																																
	31	2010	NAVY	510	-	510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	510	
	31	2011	NAVY	428	-	428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	428	
	31	2012	NAVY	338	-	338	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	338	
	31	2013	NAVY	228	-	228	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	228	
	31	2014	NAVY	422	-	422			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	422	
	31	2016	NAVY	417	-	417																									417	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																		Date: February 2015																							
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0194 / Jet Assisted Take Off (JATOs)																		Aggregated Items: Jet Assisted Take Off (JATOs)													
Items <i>(Units in Each)</i>							Fiscal Year 2016													Fiscal Year 2017																					
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT				Calendar Year 2016													Calendar Year 2017																		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L										
1) JATO																																									
1.1) Mk 117 MOD O ROCKET MOTORS																																									
Prior Years Deliveries: 13145																																									
	31	2010	NAVY	510	-	510	-	-	-	-	-	-	-	-	-	-	308	134	68														-								
	31	2011	NAVY	428	-	428	-	-	-	-	-	-	-	-	-	-	-	66	134	134	94														-						
	31	2012	NAVY	338	-	338	-	-	-	-	-	-	-	-	-	-	-	-	-	40	134	134	30														-				
	31	2013	NAVY	228	-	228	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	104	124														-			
	31	2014	NAVY	422	-	422	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	134	134	134	10														-
	31	2016	NAVY	417	-	417			A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	417										
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L										

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Exhibit P-21, Production Schedule: PB 2016 Navy																			Date: February 2015																			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0194 / Jet Assisted Take Off (JATOs)																			Aggregated Items: Jet Assisted Take Off (JATOs)									
Items <i>(Units in Each)</i>							Fiscal Year 2018														Fiscal Year 2019																	
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT				Calendar Year 2018											Calendar Year 2019																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							
1) JATO																																						
1.1) Mk 117 MOD O ROCKET MOTORS																																						
Prior Years Deliveries: 13145																																						
	31	2010	NAVY	510	510	-																										-						
	31	2011	NAVY	428	428	-																										-						
	31	2012	NAVY	338	338	-																										-						
	31	2013	NAVY	228	228	-																										-						
	31	2014	NAVY	422	422	-																										-						
	31	2016	NAVY	417	-	417	-	-	-	-	-	69	69	69	70	70	70																-					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							

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Exhibit P-21, Production Schedule: PB 2016 Navy				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1			P-1 Line Item Number / Title: 0194 / Jet Assisted Take Off (JATOs)				Aggregated Items: Jet Assisted Take Off (JATOs)

MFR Ref #		Production Rates (Each / Year)			Procurement Leadtime (Months)							
		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 INDIAN HEAD DIV - Indian Head, MD	200	500	6,000	-	-	-	-	-	2	18	20

"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-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition							P-1 Line Item Number / Title: 0198 / LRLAP 6 inch Long Range Attack Projectile					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0204202N				
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>	6.553	4.687	113.092	11.596	-	11.596	71.022	73.000	75.960	77.309	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	6.553	4.687	113.092	11.596	-	11.596	71.022	73.000	75.960	77.309	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	6.553	4.687	113.092	11.596	-	11.596	71.022	73.000	75.960	77.309	Continuing	Continuing
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Program provides for the procurement of the Long Range Land Attack Projectile (LRLAP) to support MK 51 Gun Weapon System (GWS) munitions requirements for the DDG-1000 Class destroyer program. LRLAP is a 155mm diameter, GPS-guided, rocket-assisted projectile that contains a high explosive unitary warhead with dual fuzing modes. Each round is 88" in length and weighs 230 lb. The program also procures propelling charges, inert projectiles, and munitions containers. LRLAP and propelling charges are stored in munitions containers which are cycled for gun firing through two automated magazines on DDG-1000. Each munitions container holds eight propelling charges and eight LRLAPs (or inert projectiles). The full magazine loadout for DDG-1000 is 600 LRLAP rounds, stored in 75 munitions containers. The MK 51 GWS includes two gun mounts, each of which are capable of firing 10 LRLAPs/minute.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition				P-1 Line Item Number / Title: 0198 / LRLAP 6 inch Long Range Attack Projectile				
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:			Other Related Program Elements: 0204202N		
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
LONG RANGE ATTACK PROJECTILE (LRLAP)	P-40a, P-5a, P-21		- / 6.553	- / 4.687	- / 113.092	- / 11.596	- / -	- / 11.596
Total Gross/Weapon System Cost			- / 6.553	- / 4.687	- / 113.092	- / 11.596	- / -	- / 11.596
*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:

LRLAP funding is required to procure the inventory objective of EX 192 LRLAPs to support the Initial Operational

Capability of the DDG 1000, which has a Land Attack Warfare Mission.

In FY 16 baseline funding is required to procure EX 813 Munitions Containers which provide the lifecycle handling, transportation, storage, and interface of the EX 192 LRLAP and the EX 187 Propelling Charge to the DDG 1000 automated munitions handling systems.

The procurement of LRLAPs in FY15 supports the initial load-out of the lead ship in the Zumwalt Class Destroyers, DDG 1000. Funding was reduced in FY16 and the EX 192 LRLAP Guided Projectile award date moved from April 2015 to September 2015 due to changes in the DDG-1000 schedule. The procurement of LRLAPs in FY17 through FY20 will contribute to the inventory objective that supports all three Zumwalt Destroyers.

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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: 1508N / 01 / 1								P-1 Line Item Number / Title: 0198 / LRLAP 6 inch Long Range Attack Projectile							Aggregated Items Title: LONG RANGE ATTACK PROJECTILE (LRLAP)				

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) AM100 HARDWARE																				
1.1) LRLAP (EX-192) - Guided Projectiles (1)(†)	A		-	-	-	-	-	-	359,381.74	241	86.611	-	-	-	-	-	-	-	-	-
1.3) MUNITIONS CONTAINER (EX-813)(†)	A		-	-	-	-	-	-	387,161.29	31	12.002	455,461.54	13	5.921	-	-	-	455,461.54	13	5.921
1.4) PROPELLING CHARGE (EX-181)(†)	A		-	-	-	-	-	-	10,398.44	1,152	11.979	-	-	-	-	-	-	-	-	-
1.6) LRLAP PRODUCTION NON-RECURRING (2)	A		-	-	6.553	-	-	4.687	-	-	-	-	-	3.100	-	-	-	-	-	3.100
Subtotal: 1) AM100 HARDWARE			-	-	6.553	-	-	4.687	-	-	110.592	-	-	9.021	-	-	-	-	-	9.021
2) AM830 PRODUCTION ENGINEERING																				
2.1) PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	2.500	-	-	2.575	-	-	-	-	-	2.575
Subtotal: 2) AM830 PRODUCTION ENGINEERING			-	-	0.000	-	-	-	-	-	2.500	-	-	2.575	-	-	-	-	-	2.575
Total			-	-	6.553	-	-	4.687	-	-	113.092	-	-	11.596	-	-	-	-	-	11.596

(†) indicates the presence of a P-5a

Footnotes:

(1) A nomenclature change occurred and EX-187 is revised. There is no change to the hardware item.

(2) Production non-recurring supports tooling fabrication and tasks to establish production and scale manufacturing processes. These include establishing an assembly line for the Guidance Navigation Control electronic assembly and modification/retooling at the integration facility site for All-Up-Round assembly. It also provides design change and requalification to address obsolescence. \$3.1M non-recurring engineering is planned in FY16 to address M-code obsolescence.

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1			P-1 Line Item Number / Title: 0198 / LRLAP 6 inch Long Range Attack Projectile					Aggregated Items: LONG RANGE ATTACK PROJECTILE (LRLAP)				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) AM100 HARDWARE												
1.1) LRLAP (EX-192) - Guided Projectiles ^{(1)(†)}		2015	Lockheed Martin Corporation / Florida	SS / FPIF	NAVSEA	Sep 2015	Mar 2017	241	359,381.74	Y		Nov 2014
1.3) MUNITIONS CONTAINER (EX-813) ^(†)		2015	BAE SYSTEMS INC / MINNESOTA	SS / FPIF	NAVSEA	Aug 2015	Feb 2017	31	387,161.29	Y		Jan 2015
1.3) MUNITIONS CONTAINER (EX-813) ^(†)		2016	BAE SYSTEMS / MINNESOTA	SS / FPIF	NAVSEA	Dec 2015	Jun 2017	13	455,461.54	Y		Jan 2015
1.4) PROPELLING CHARGE (EX-181) ^(†)		2015	BAE SYSTEMS INC / MINNESOTA	SS / FPIF	NAVSEA	Aug 2015	Feb 2017	1,152	10,398.44	Y		Jan 2015
^(†) 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: 1508N / 01 / 1										P-1 Line Item Number / Title: 0198 / LRLAP 6 inch Long Range Attack Projectile																			Aggregated Items: LONG RANGE ATTACK PROJECTILE (LRLAP)									
Items <i>(Units in Each)</i>							Fiscal Year 2015														Fiscal Year 2016																	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015															Calendar Year 2016																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							
1) AM100 HARDWARE																																						
1.1) LRLAP (EX-192) - Guided Projectiles ⁽¹⁾																																						
	32	2015	NAVY	241	-	241											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	241							
1.3) MUNITIONS CONTAINER (EX-813)																																						
	33	2016	NAVY	13	-	13															A -	-	-	-	-	-	-	-	-	-	-	13						
	34	2015	NAVY	31	-	31											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31						
1.4) PROPELLING CHARGE (EX-181)																																						
	35	2015	NAVY	1,152	-	1,152											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,152						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015											
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0198 / LRLAP 6 inch Long Range Attack Projectile													Aggregated Items: LONG RANGE ATTACK PROJECTILE (LRLAP)											
Items <i>(Units in Each)</i>							Fiscal Year 2017													Fiscal Year 2018														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017													Calendar Year 2018													BAL	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
1) AM100 HARDWARE																																		
1.1) LRLAP (EX-192) - Guided Projectiles ⁽¹⁾																																		
	32	2015	NAVY	241	-	241	-	-	-	-	-	-	22	22	23	22	22	23	22	22	22	23	18											-
1.3) MUNITIONS CONTAINER (EX-813)																																		
	33	2016	NAVY	13	-	13	-	-	-	-	-	-	-	-	3	3	4	3											-					
	34	2015	NAVY	31	-	31	-	-	-	-	3	3	4	3	3	4	3	3	4	1											-			
1.4) PROPELLING CHARGE (EX-181)																																		
	35	2015	NAVY	1,152	-	1,152	-	-	-	-	576	576																			-			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			

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Exhibit P-21, Production Schedule: PB 2016 Navy							Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0198 / LRLAP 6 inch Long Range Attack Projectile				Aggregated Items: LONG RANGE ATTACK PROJECTILE (LRLAP)	

		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	Lockheed Martin Corporation - Florida	132	300	600	10	11	18	29	6	6	17	23
2	BAE SYSTEMS - MINNESOTA	10	40	40	10	12	18	30	6	6	18	24
3	BAE SYSTEMS INC - MINNESOTA	10	40	40	3	3	18	21	6	6	18	24
4	BAE SYSTEMS INC - MINNESOTA	400	12,000	12,000	10	11	18	29	6	6	18	24

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	P-1 Line Item Number / Title: 0250 / 5 Inch/54 Gun Ammunition
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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>)	156.157	21.726	35.702	35.994	-	35.994	30.943	32.360	39.792	41.057	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	156.157	21.726	35.702	35.994	-	35.994	30.943	32.360	39.792	41.057	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	156.157	21.726	35.702	35.994	-	35.994	30.943	32.360	39.792	41.057	Continuing	Continuing
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Program provides 5"/54 ammunition fired from Cruiser and Destroyer combatant ships against air, surface, and shore targets. Program procures multiple types of ammunition including propelling charges, high-explosive projectiles and training rounds.

[P5 / AC100 5"/54 AMMUNITION HARDWARE]: Procures components, load and assemble complete rounds and provides funds to conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities are adjusted during year of execution.

[P5 / AC850 PRODUCT IMPROVEMENT]: Provides engineering services and related efforts by government activities, the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope.

[P5 / AC893 RENOVATION COMPONENTS]: Provides for renovation components used to upgrade unserviceable rounds into ready-for-issue condition.

[P5 / AC894 GAUGE REQUIREMENTS]: Provides for procurement of gauges, auxiliary and test equipment and support costs necessary for ammunition metrology to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.

[P5 / AC895 NON-STANDARD]: Provides for non-standard items of 5"/54 ammunition. Includes training aids and initial procurements of required non type classified munition items.

[P5 / ACG86 Overseas Contingency Operations (OCO)]: Provides for procurement of ammunition with OCO funding.

[P5 / AC830 PRODUCTION ENGINEERING]: Provides for production engineering services.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition				P-1 Line Item Number / Title: 0250 / 5 Inch/54 Gun Ammunition				
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 (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / 5 Inch/54 Gun Ammunition	P-5, P-5a, P-21		- / 156.157	- / 21.726	- / 35.702	- / 35.994	- / -	- / 35.994
Total Gross/Weapon System Cost			- / 156.157	- / 21.726	- / 35.702	- / 35.994	- / -	- / 35.994
*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:

FY16 baseline funding is required to procure 5"/54 ammunition, including propelling charges, high explosive projectiles, and training projectiles. 5"/54 ammunition is used in conjunction with the MK34 Gun Weapon System on DDG-51 and CG-47 platform to provide Naval Surface Fire Support, Anti Air Warfare, Anti Surface Warfare, and FAC/FIAC defense. Baseline program also funds Product Improvements Programs to improve producibility of primers and propellant in propelling charges and solve obsolescence issues in projectile fuzes, as well as Production Engineering and Gauge requirements for all 5"/54 ammunition.

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0250 / 5 Inch/54 Gun Ammunition						Item Number / Title [DODIC]: 1 / 5 Inch/54 Gun Ammunition						
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)				156.157		21.726		35.702		35.994		-		35.994				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				156.157		21.726		35.702		35.994		-		35.994				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				156.157		21.726		35.702		35.994		-		35.994				
(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)
Hardware - AC100 5"/54 AMMUNITION HARDWARE Cost																		
Recurring Cost																		
1.1.1) 5"54 CHG, PROP, CLEARING, MK65 (D296) ^(†)	-	-	-	1,077.98	218	0.235	1,095.24	273	0.299	-	-	-	-	-	-	-	-	-
1.1.2) 5/54 CHG, PROP, FULL (D326) ^(†)	915.85	31,111	28.493	889.30	15,881	14.123	907.75	18,330	16.639	925.88	16,770	15.527	-	-	-	925.88	16,770	15.527
1.1.3) PROJ, 5"/54 KE-ET (DA15)	-	-	16.092	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) 5"54 PROJ, BLP/T (D349) ^(†)	416.98	12,063	5.030	426.08	7,177	3.058	438.94	9,024	3.961	452.00	3,792	1.714	-	-	-	452.00	3,792	1.714
1.1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48) ^(†)	1,914.08	23,952	45.846	-	-	-	2,071.71	4,992	10.342	2,133.88	5,856	12.496	-	-	-	2,133.88	5,856	12.496
1.1.6) MK 9 CARTRIDGE CASE (DDCC)	-	-	1.489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) MK45 PRIMERS (N641)	-	-	7.381	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.8) TRANSPORTATION ACCT CODE	-	-	1.614	-	-	0.180	-	-	0.314	-	-	0.325	-	-	-	-	-	0.325
1.1.9) PE/QA SMCA	-	-	0.924	-	-	0.147	-	-	0.164	-	-	0.174	-	-	-	-	-	0.174
Subtotal: Recurring Cost	-	-	106.869	-	-	17.743	-	-	31.719	-	-	30.236	-	-	-	-	-	30.236

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0250 / 5 Inch/54 Gun Ammunition						Item Number / Title [DODIC]: 1 / 5 Inch/54 Gun Ammunition						
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: Hardware - AC100 5"/54 AMMUNITION HARDWARE Cost	-	-	106.869	-	-	17.743	-	-	31.719	-	-	30.236	-	-	-	-	-	30.236
Hardware - AC850 PRODUCT IMPROVEMENT Cost																		
Recurring Cost																		
2.1.1) PRODUCT IMPROVEMENT	-	-	13.434	-	-	1.011	-	-	0.740	-	-	2.397	-	-	-	-	-	2.397
Subtotal: Recurring Cost	-	-	13.434	-	-	1.011	-	-	0.740	-	-	2.397	-	-	-	-	-	2.397
Subtotal: Hardware - AC850 PRODUCT IMPROVEMENT Cost	-	-	13.434	-	-	1.011	-	-	0.740	-	-	2.397	-	-	-	-	-	2.397
Hardware - AC893 RENOVATION COMPONENTS Cost																		
Recurring Cost																		
3.1.1) RENOVATION COMPONENTS	-	-	12.294	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	12.294	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - AC893 RENOVATION COMPONENTS Cost	-	-	12.294	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - AC894 GAUGE REQUIREMENTS Cost																		
Recurring Cost																		
4.1.1) GAUGE REQUIREMENTS	-	-	2.270	-	-	0.275	-	-	0.213	-	-	0.325	-	-	-	-	-	0.325
Subtotal: Recurring Cost	-	-	2.270	-	-	0.275	-	-	0.213	-	-	0.325	-	-	-	-	-	0.325
Subtotal: Hardware - AC894 GAUGE REQUIREMENTS Cost	-	-	2.270	-	-	0.275	-	-	0.213	-	-	0.325	-	-	-	-	-	0.325
Hardware - AC895 NON-STANDARD Cost																		
Recurring Cost																		
5.1.1) NON-STANDARD	-	-	0.426	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.426	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - AC895 NON-STANDARD Cost	-	-	0.426	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - ACG86 Overseas Contingency Operations (OCO) Cost																		
Non Recurring Cost																		
6.1.1) Overseas Contingency Operations (OCO)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Navy													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0250 / 5 Inch/54 Gun Ammunition							Item Number / Title [DODIC]: 1 / 5 Inch/54 Gun Ammunition					
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: Non Recurring Cost	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - ACG86 Overseas Contingency Operations (OCO) Cost	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - AC830 PRODUCTION ENGINEERING Cost																		
7.1) PRODUCTION ENGINEERING	-	-	20.863	-	-	2.697	-	-	3.030	-	-	3.036	-	-	-	-	-	3.036
Subtotal: Support - AC830 PRODUCTION ENGINEERING Cost	-	-	20.863	-	-	2.697	-	-	3.030	-	-	3.036	-	-	-	-	-	3.036
Gross/Weapon System Cost	-	-	156.157	-	-	21.726	-	-	35.702	-	-	35.994	-	-	-	-	-	35.994

(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: 1508N / 01 / 1			P-1 Line Item Number / Title: 0250 / 5 Inch/54 Gun Ammunition					Item Number / Title [DODIC]: 1 / 5 Inch/54 Gun Ammunition				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) 5"54 CHG, PROP, CLEARING, MK65 (D296) ^(†)		2014	MCALESTER AAP / MCALESTER, OK	MIPR	NO PCO	Jun 2014	Feb 2017	218	1,077.98	Y		Nov 2013
1.1.1) 5"54 CHG, PROP, CLEARING, MK65 (D296) ^(†)		2015	MCALESTER AAP / MCALESTER, OK	MIPR	NO PCO	Mar 2015	Feb 2017	273	1,095.24	Y		Nov 2014
1.1.2) 5/54 CHG, PROP, FULL (D326) ^(†)		2012 (1)	MCALESTER AAP / MCALESTER, OK	C / FFP	JMC ROCK ISLAND	Mar 2012	Jan 2016	8,307	985.07	Y		Nov 2011
1.1.2) 5/54 CHG, PROP, FULL (D326) ^(†)		2013	MCALESTER AAP / MCALESTER, OK	C / FFP	JMC ROCK ISLAND	Jun 2013	Feb 2016	20,504	872.51	Y		Nov 2012
1.1.2) 5/54 CHG, PROP, FULL (D326) ^(†)		2014	MCALESTER AAP / MCALESTER, OK	C / FFP	JMC ROCK ISLAND	Jun 2014	May 2016	15,881	889.30	Y		Nov 2013
1.1.2) 5/54 CHG, PROP, FULL (D326) ^(†)		2015	MCALESTER AAP / MCALESTER, OK	C / FFP	JMC ROCK ISLAND	Mar 2015	Sep 2016	18,330	907.75	Y		Nov 2014
1.1.2) 5/54 CHG, PROP, FULL (D326) ^(†)		2016	MCALESTER AAP / MCALESTER, OK	C / FFP	JMC ROCK ISLAND	Mar 2016	Sep 2017	16,770	925.88	Y		Nov 2015
1.1.4) 5"54 PROJ, BLP/T (D349) ^(†)		2013	CRANE ARMY AMMUNITION ACTIVITY / NSWC CRANE, IND	C / FFP	JMC ROCK ISLAND	Jun 2013	Dec 2014	12,063	416.98	Y		Nov 2012
1.1.4) 5"54 PROJ, BLP/T (D349) ^(†)		2014	CRANE ARMY AMMUNITION ACTIVITY / NSWC CRANE, IND	C / FFP	JMC ROCK ISLAND	May 2014	Mar 2015	7,177	426.08	Y		Nov 2013
1.1.4) 5"54 PROJ, BLP/T (D349) ^(†)		2015	CRANE ARMY AMMUNITION ACTIVITY / NSWC CRANE, IND	C / FFP	JMC ROCK ISLAND	Mar 2015	Apr 2016	9,024	438.94	Y		Oct 2014
1.1.4) 5"54 PROJ, BLP/T (D349) ^(†)		2016	CRANE ARMY AMMUNITION ACTIVITY / NSWC CRANE, IND	C / FFP	JMC ROCK ISLAND	Mar 2016	Apr 2017	3,792	452.00	Y		Nov 2015
1.1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48) ^(†)		2011	CRANE ARMY AMMUNITION ACTIVITY / NSWC CRANE, IND	C / FFP	JMC ROCK ISLAND	Aug 2011	Jul 2015	13,488	1,882.78	Y		Nov 2010
1.1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48) ^(†)		2013	CRANE ARMY AMMUNITION ACTIVITY / NSWC CRANE, IND	C / FFP	JMC ROCK ISLAND	Apr 2014	Jan 2016	10,464	1,954.42	Y		Nov 2012
1.1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48) ^(†)		2015	CRANE ARMY AMMUNITION ACTIVITY / NSWC CRANE, IND	C / FFP	JMC ROCK ISLAND	Mar 2015	Jul 2017	4,992	2,071.71	Y		Oct 2014
1.1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48) ^(†)		2016	CRANE ARMY AMMUNITION ACTIVITY / NSWC CRANE, IND	C / FFP	JMC ROCK ISLAND	Mar 2016	Jul 2018	5,856	2,133.88	Y		Nov 2015
(†) indicates the presence of a P-21												
Footnotes:												
(1) FY12 - D326 - Delivery delay attributed to propellant manufacutring delay.												

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0250 / 5 Inch/54 Gun Ammunition										Item Number / Title [DODIC]: 1 / 5 Inch/54 Gun Ammunition												
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2011										Fiscal Year 2012															
O C C O	M F R #	F Y	S E R V I C E	P R O C Q T Y	A C C E P T P R I O R T O 1 O C T 2 0 1 0	B A L D U E A S O F 1 O C T	Calendar Year 2011										Calendar Year 2012										B A L					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P	
1.1.1) 5"54 CHG, PROP, CLEARING, MK65 (D296)																																
	1	2014	NAVY	.218	-	.218																									.218	
	1	2015	NAVY	.273	-	.273																									.273	
1.1.2) 5/54 CHG, PROP, FULL (D326)																																
Prior Years Deliveries: 2300																																
	2	2012	NAVY	8.307	-	8.307																			A -	-	-	-	-	-	-	8.307
	3	2013	NAVY	20.504	-	20.504																									20.504	
	2	2014	NAVY	15.881	-	15.881																									15.881	
	4	2015	NAVY	18.330	-	18.330																									18.330	
	4	2016	NAVY	16.770	-	16.770																									16.770	
1.1.4) 5"54 PROJ, BLP/T (D349)																																
	6	2013	NAVY	12.063	-	12.063																									12.063	
	5	2014	NAVY	7.177	-	7.177																									7.177	
	7	2015	NAVY	9.024	-	9.024																									9.024	
	7	2016	NAVY	3.792	-	3.792																									3.792	
1.1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48)																																
	8	2011	NAVY	13.488	-	13.488											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	13.488	
	9	2013	NAVY	10.464	-	10.464																									10.464	
	10	2015	NAVY	4.992	-	4.992																									4.992	
	10	2016	NAVY	5.856	-	5.856																									5.856	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0250 / 5 Inch/54 Gun Ammunition										Item Number / Title [DODIC]: 1 / 5 Inch/54 Gun Ammunition																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2013										Fiscal Year 2014																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0250 / 5 Inch/54 Gun Ammunition													Item Number / Title [DODIC]: 1 / 5 Inch/54 Gun Ammunition															
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2015													Fiscal Year 2016																		
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 4	BAL DUE AS OF 1 OCT	Calendar Year 2015																			Calendar Year 2016												B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P								
1.1.1) 5"54 CHG, PROP, CLEARING, MK65 (D296)																																						
	1	2014	NAVY	.218	-	.218	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.218						
	1	2015	NAVY	.273	-	.273						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.273						
1.1.2) 5/54 CHG, PROP, FULL (D326)																																						
Prior Years Deliveries: 2300																																						
	2	2012	NAVY	8.307	-	8.307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.000	3.307								-						
	3	2013	NAVY	20.504	-	20.504	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.000	10.000	.504								-					
	2	2014	NAVY	15.881	-	15.881	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.000	5.881					-						
	4	2015	NAVY	18.330	-	18.330						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.000	8.330							
	4	2016	NAVY	16.770	-	16.770																		A -	-	-	-	-	-	-	-	16.770						
1.1.4) 5"54 PROJ, BLP/T (D349)																																						
	6	2013	NAVY	12.063	-	12.063	-	-	6.000	6.063																							-					
	5	2014	NAVY	7.177	-	7.177	-	-	-	-	7.177																						-					
	7	2015	NAVY	9.024	-	9.024					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	5.000	4.024						-						
	7	2016	NAVY	3.792	-	3.792																		A -	-	-	-	-	-	-	-	3.792						
1.1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48)																																						
	8	2011	NAVY	13.488	-	13.488	-	-	-	-	-	-	-	-	2.000	2.000	2.000	2.000	2.000	2.000	2.000	1.488											-					
	9	2013	NAVY	10.464	-	10.464	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.000	2.000	2.000	2.000	.464							-					
	10	2015	NAVY	4.992	-	4.992						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.992						
	10	2016	NAVY	5.856	-	5.856																			A -	-	-	-	-	-	-	-	5.856					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0250 / 5 Inch/54 Gun Ammunition													Item Number / Title [DODIC]: 1 / 5 Inch/54 Gun Ammunition										
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2017													Fiscal Year 2018													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT				Calendar Year 2017										Calendar Year 2018													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		
1.1.1) 5"54 CHG, PROP, CLEARING, MK65 (D296)																																	
	1	2014	NAVY	.218	-	.218	-	-	-	-	.218																					-	
	1	2015	NAVY	.273	-	.273	-	-	-	-	.273																					-	
1.1.2) 5/54 CHG, PROP, FULL (D326)																																	
Prior Years Deliveries: 2300																																	
	2	2012	NAVY	8.307	8.307	-																										-	
	3	2013	NAVY	20.504	20.504	-																										-	
	2	2014	NAVY	15.881	15.881	-																										-	
	4	2015	NAVY	18.330	10.000	8.330	8.330																								-		
	4	2016	NAVY	16.770	-	16.770	-	-	-	-	-	-	-	-	-	-	-	5.000	5.000	5.000	1.770											-	
1.1.4) 5"54 PROJ, BLP/T (D349)																																	
	6	2013	NAVY	12.063	12.063	-																										-	
	5	2014	NAVY	7.177	7.177	-																										-	
	7	2015	NAVY	9.024	9.024	-																										-	
	7	2016	NAVY	3.792	-	3.792	-	-	-	-	-	-	-	-	-	-	3.792																-
1.1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48)																																	
	8	2011	NAVY	13.488	13.488	-																										-	
	9	2013	NAVY	10.464	10.464	-																										-	
	10	2015	NAVY	4.992	-	4.992	-	-	-	-	-	-	-	-	-	-	2.000	2.000	.992														-
	10	2016	NAVY	5.856	-	5.856	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.000	2.000	1.856	-	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Navy								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1					P-1 Line Item Number / Title: 0250 / 5 Inch/54 Gun Ammunition				Item Number / Title [DODIC]: 1 / 5 Inch/54 Gun Ammunition		

		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	MCALESTER AAP - MCALESTER, OK	5,000	60,000	120,000	12	12	32	44	-	12	23	35
2	MCALESTER AAP - MCALESTER, OK	5,000	60,000	120,000	6	6	46	52	6	6	23	29
3	MCALESTER AAP - MCALESTER, OK	5,000	60,000	120,000	6	6	12	18	6	6	32	38
4	MCALESTER AAP - MCALESTER, OK	5,000	60,000	120,000	6	6	18	24	6	6	19	25
5	CRANE ARMY AMMUNITION ACTIVITY - NSWC CRANE, IND	3,000	36,000	60,000	6	6	10	16	6	6	1	7
6	CRANE ARMY AMMUNITION ACTIVITY - NSWC CRANE, IND	3,000	36,000	60,000	6	6	18	24	6	6	21	27
7	CRANE ARMY AMMUNITION ACTIVITY - NSWC CRANE, IND	3,000	36,000	60,000	6	6	13	19	6	6	18	24
8	CRANE ARMY AMMUNITION ACTIVITY - NSWC CRANE, IND	3,000	24,000	30,000	6	6	47	53	6	6	23	29
9	CRANE ARMY AMMUNITION ACTIVITY - NSWC CRANE, IND	3,000	24,000	30,000	6	6	21	27	6	6	23	29
10	CRANE ARMY AMMUNITION ACTIVITY - NSWC CRANE, IND	3,000	24,000	30,000	6	6	28	34	6	6	28	34

"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-40, Budget Line Item Justification: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition							P-1 Line Item Number / Title: 0266 / Intermediate Caliber Gun Ammo					
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>	67.647	32.299	2.133	36.715	-	36.715	38.352	38.971	53.782	47.662	-	317.561
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	67.647	32.299	2.133	36.715	-	36.715	38.352	38.971	53.782	47.662	-	317.561
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	67.647	32.299	2.133	36.715	-	36.715	38.352	38.971	53.782	47.662	-	317.561
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Description: Program provides for intermediate caliber cartridge family of fixed round ammunition for use in shipboard intermediate caliber Gun Weapon Systems (GWS). The Navy's primary use for an intermediate caliber GWS is to engage both surface and air targets. United States Coast Guard's (USCG) primary use is drug interdiction, homeland defense, and Visit, Board, Search and Seize (VBSS). Intermediate caliber GWS are currently employed on US Navy guided missile frigates (FFGs), US Coast Guard Cutters, the Littoral Combat Ship (LCS), and the USCG National Security Cutter. [P40A / AL100 TRANSPORTATION ACCOUNT CODE]: Provides for cost associated with Transportation Account Code (TAC) that are for first destination of delivery of production items. [P40A / AL100 INTERMEDIATE CALIBER GUN AMMUNITION HARDWARE]: Provides for complete rounds and conducts acceptance testing of intermediate caliber ammunition. Procurement includes intermediate caliber ammunition, all types, and includes high explosive service rounds, Target Practice and dummy rounds for this GWS. Unit costs and quantities are adjusted during year of execution. [P40A / AL830 PRODUCTION ENGINEERING]: Provides production engineering services. [P40A / AL850 PRODUCT IMPROVEMENT]: Provides engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. [P40A / AL894 GAUGE REQUIREMENTS]: Provides for procurement of gauges, auxiliary and test equipment and support costs necessary for ammunition metrology to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance. [P40A / AL895 NON-STANDARD ITEMS]: Provides for non-standard items of intermediate caliber ammunition. Includes training aids and initial procurements of required non type classified munition items.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition					P-1 Line Item Number / Title: 0266 / Intermediate Caliber Gun Ammo			
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 (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Intermediate Caliber Gun Ammo	P-40a, P-5a, P-21		- / 67.647	- / 32.299	- / 2.133	- / 36.715	- / -	- / 36.715
Total Gross/Weapon System Cost			- / 67.647	- / 32.299	- / 2.133	- / 36.715	- / -	- / 36.715
*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: FY16 baseline funding procures 57MM high explosive and training ammunition. 57MM ammunition is used in the MK110 Gun to provide Anti Air Warfare, Anti Surface Warfare and FAC/FAIC defense on USN LCS and USCG WMSL platforms. Baseline program also funds Production Engineering and Gauge Requirements for all 57MM ammunition.								

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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: 1508N / 01 / 1									P-1 Line Item Number / Title: 0266 / Intermediate Caliber Gun Ammo						Aggregated Items Title: Intermediate Caliber Gun Ammo					
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) AL100 TRANSPORTATION ACCOUNT CODE																				
1.1) TRANSPORTATION ACCOUNT CODE	A		-	-	0.118	-	-	0.061	-	-	0.067	-	-	0.061	-	-	-	-	-	0.061
Subtotal: 1) AL100 TRANSPORTATION ACCOUNT CODE			-	-	0.118	-	-	0.061	-	-	0.067	-	-	0.061	-	-	-	-	-	0.061
2) AL100 INTERMEDIATE CALIBER GUN AMMUNITION HARDWARE																				
2.1) CART., 57MM DUMMY, RAMMABLE (BA31)	A		-	-	0.392	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.2) CART., 57MM, 3P MK295 (BA22) (1)(t)	A		5,778.85	5,399	31.200	4,113.40	7,478	30.760	-	-	-	4,279.26	5,776	24.717	-	-	-	4,279.26	5,776	24.717
2.3) CART., 57MM TP MK296 (BA23) (t)	A		2,837.77	9,869	28.006	-	-	-	-	-	-	1,565.85	6,120	9.583	-	-	-	1,565.85	6,120	9.583
Subtotal: 2) AL100 INTERMEDIATE CALIBER GUN AMMUNITION HARDWARE			-	-	59.598	-	-	30.760	-	-	-	-	-	34.300	-	-	-	-	-	34.300
3) AL830 PRODUCTION ENGINEERING																				
3.1) PRODUCTION ENGINEERING	A		-	-	7.448	-	-	1.399	-	-	2.023	-	-	2.294	-	-	-	-	-	2.294
Subtotal: 3) AL830 PRODUCTION ENGINEERING			-	-	7.448	-	-	1.399	-	-	2.023	-	-	2.294	-	-	-	-	-	2.294
4) AL850 PRODUCT IMPROVEMENT																				
4.1) PRODUCT IMPROVEMENT	A		-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 4) AL850 PRODUCT IMPROVEMENT			-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5) AL894 GAUGE REQUIREMENTS																				
5.1) GAUGE REQUIREMENTS	A		-	-	0.481	-	-	0.079	-	-	0.043	-	-	0.060	-	-	-	-	-	0.060
Subtotal: 5) AL894 GAUGE REQUIREMENTS			-	-	0.481	-	-	0.079	-	-	0.043	-	-	0.060	-	-	-	-	-	0.060
6) AL895 NON-STANDARD ITEMS																				
6.1) AL895 NON-STANDARD ITEMS	A		-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 6) AL895 NON-STANDARD ITEMS			-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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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: 1508N / 01 / 1						P-1 Line Item Number / Title: 0266 / Intermediate Caliber Gun Ammo									Aggregated Items Title: Intermediate Caliber Gun Ammo				

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)
Total			-	-	67.647	-	-	32.299	-	-	2.133	-	-	36.715	-	-	-	-	-	36.715

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

Footnotes:

(1) Funding was reduced by Congress in FY15 for contract delays that were a consequence of MK295 3P fuze obsolescence and requalification of new components. New award date is expected to be April 2015.

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1			P-1 Line Item Number / Title: 0266 / Intermediate Caliber Gun Ammo					Aggregated Items: Intermediate Caliber Gun Ammo				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2) AL100 INTERMEDIATE CALIBER GUN AMMUNITION HARDWARE												
2.2) CART., 57MM, 3P MK295 (BA22) ^{(1)(†)}		2010	BAE SYSTEMS / MINNESOTA	SS / FFP	NSWC-IH	Mar 2012	Nov 2014	2,400	5,582.08	Y		Jul 2010
2.2) CART., 57MM, 3P MK295 (BA22) ^{(1)(†)}		2011	BAE SYSTEMS / MINNESOTA	SS / FFP	NSWC-IH	Mar 2012	Nov 2014	499	5,582.50	Y		Jul 2010
2.2) CART., 57MM, 3P MK295 (BA22) ^{(1)(†)}		2013	BAE SYSTEMS / MINNESOTA	SS / FFP	Picatinny, NJ	Apr 2014	Jul 2016	2,500	6,790.47	Y		Aug 2013
2.2) CART., 57MM, 3P MK295 (BA22) ^{(1)(†)}		2014 (2)	BAE SYSTEMS / MINNESOTA	SS / FFP	NSWC-IH	Apr 2015	Dec 2017	7,478	4,113.40	Y		Oct 2014
2.2) CART., 57MM, 3P MK295 (BA22) ^{(1)(†)}		2016	BAE SYSTEMS / MINNESOTA	SS / FFP	Picatinny, NJ	Mar 2016	Sep 2018	5,776	4,279.26	Y		Jan 2015
2.3) CART., 57MM TP MK296 (BA23) ^(†)		2010	BAE SYSTEMS / MINNESOTA	SS / FFP	NSWC-IH	Mar 2012	Dec 2014	3,000	2,042.33	Y		Jul 2010
2.3) CART., 57MM TP MK296 (BA23) ^(†)		2011	BAE SYSTEMS / MINNESOTA	SS / FFP	NSWC-IH	Mar 2012	Dec 2014	6,869	2,042.22	Y		Jul 2010
2.3) CART., 57MM TP MK296 (BA23) ^(†)		2016	TBD / TBD	C / FFP	Picatinny, NJ	Mar 2016	Mar 2018	6,120	1,565.85	N	Feb 2015	Jun 2015

^(†) indicates the presence of a P-21

Footnotes:

⁽²⁾ BA22 - Contract award delayed due to MK295 3P fuze obsolescence and requalification of new components.

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0266 / Intermediate Caliber Gun Ammo													Aggregated Items: Intermediate Caliber Gun Ammo									
Items <i>(Units in Each)</i>							Fiscal Year 2012												Fiscal Year 2013													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	Calendar Year 2012												Calendar Year 2013												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
2) AL100 INTERMEDIATE CALIBER GUN AMMUNITION HARDWARE																																
2.2) CART., 57MM, 3P MK295 (BA22) ⁽¹⁾																																
	37	2013	NAVY	2,500	-	2,500																										2,500
	36	2010	NAVY	2,400	-	2,400						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,400
	36	2011	NAVY	499	-	499						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	499
	36	2014	NAVY	7,478	-	7,478																										7,478
	38	2016	NAVY	5,776	-	5,776																										5,776
2.3) CART., 57MM TP MK296 (BA23)																																
	39	2010	NAVY	3,000	-	3,000						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,000
	39	2011	NAVY	6,869	-	6,869						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,869
	40	2016	NAVY	6,120	-	6,120																										6,120
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0266 / Intermediate Caliber Gun Ammo													Aggregated Items: Intermediate Caliber Gun Ammo												
Items <i>(Units in Each)</i>							Fiscal Year 2014												Fiscal Year 2015																
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014																		Calendar Year 2015										B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
2) AL100 INTERMEDIATE CALIBER GUN AMMUNITION HARDWARE																																			
2.2) CART., 57MM, 3P MK295 (BA22) ⁽¹⁾																																			
	37	2013	NAVY	2,500	-	2,500							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,500			
	36	2010	NAVY	2,400	-	2,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,400											-			
	36	2011	NAVY	499	-	499	-	-	-	-	-	-	-	-	-	-	-	-	-	-	499											-			
	36	2014	NAVY	7,478	-	7,478																				A -	-	-	-	-	-	-	7,478		
	38	2016	NAVY	5,776	-	5,776																										5,776			
2.3) CART., 57MM TP MK296 (BA23)																																			
	39	2010	NAVY	3,000	-	3,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,000											-			
	39	2011	NAVY	6,869	-	6,869	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,076	2,793											-		
	40	2016	NAVY	6,120	-	6,120																										6,120			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0266 / Intermediate Caliber Gun Ammo													Aggregated Items: Intermediate Caliber Gun Ammo										
Items <i>(Units in Each)</i>							Fiscal Year 2016												Fiscal Year 2017														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												B A L		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
2) AL100 INTERMEDIATE CALIBER GUN AMMUNITION HARDWARE																																	
2.2) CART., 57MM, 3P MK295 (BA22) ⁽¹⁾																																	
	37	2013	NAVY	2,500	-	2,500	-	-	-	-	-	-	-	-	-	-	2,500																-
	36	2010	NAVY	2,400	2,400	-																											-
	36	2011	NAVY	499	499	-																											-
	36	2014	NAVY	7,478	-	7,478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,478		
	38	2016	NAVY	5,776	-	5,776						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,776		
2.3) CART., 57MM TP MK296 (BA23)																																	
	39	2010	NAVY	3,000	3,000	-																											-
	39	2011	NAVY	6,869	6,869	-																											-
	40	2016	NAVY	6,120	-	6,120						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,120		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015											
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0266 / Intermediate Caliber Gun Ammo													Aggregated Items: Intermediate Caliber Gun Ammo											
Items <i>(Units in Each)</i>							Fiscal Year 2018													Fiscal Year 2019														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT				Calendar Year 2018												Calendar Year 2019												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			
2) AL100 INTERMEDIATE CALIBER GUN AMMUNITION HARDWARE																																		
2.2) CART., 57MM, 3P MK295 (BA22) ⁽¹⁾																																		
	37	2013	NAVY	2,500	2,500	-																										-		
	36	2010	NAVY	2,400	2,400	-																										-		
	36	2011	NAVY	499	499	-																										-		
	36	2014	NAVY	7,478	-	7,478	-	-	6,124	1,354																					-			
	38	2016	NAVY	5,776	-	5,776	-	-	-	-	-	-	-	-	-	-	2,000	2,000	1,776								-							
2.3) CART., 57MM TP MK296 (BA23)																																		
	39	2010	NAVY	3,000	3,000	-																										-		
	39	2011	NAVY	6,869	6,869	-																										-		
	40	2016	NAVY	6,120	-	6,120	-	-	-	-	-	2,000	2,000	2,120																	-			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			

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Exhibit P-21, Production Schedule: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0266 / Intermediate Caliber Gun Ammo					Aggregated Items: Intermediate Caliber Gun Ammo			
		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	BAE SYSTEMS - MINNESOTA	10,000	12,600	35,280	6	6	36	42	6	6	32	38
2	BAE SYSTEMS - MINNESOTA	10,000	12,600	35,280	6	6	27	33	6	6	29	35
3	BAE SYSTEMS - MINNESOTA	10,000	12,600	35,280	6	8	30	38	6	6	18	24
4	BAE SYSTEMS - MINNESOTA	2,300	7,500	15,000	6	6	33	39	6	6	19	25
5	TBD - TBD	2,300	7,500	15,000	6	6	24	30	6	6	27	33

"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-40, Budget Line Item Justification: PB 2016 Navy										Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition							P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements:				
Line Item MDAP/MAIS Code: 000			Item MDAP/MAIS Code(s):									
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>)	73.793	40.807	47.825	45.483	4.674	50.157	41.873	42.236	43.192	44.454	-	384.337
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	73.793	40.807	47.825	45.483	4.674	50.157	41.873	42.236	43.192	44.454	-	384.337
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	73.793	40.807	47.825	45.483	4.674	50.157	41.873	42.236	43.192	44.454	-	384.337
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: Program provides for Other Ship Gun Ammunition which consists of medium caliber types (20MM, 25MM, 30MM, 40MM). This supports Navy ships, and active and reserve ashore warfare forces including Naval Expeditionary Combat Command (NECC), Mobile Security Forces (MSF), fleet combat readiness groups, inshore undersea warfare groups and several other type of operational units. Program includes support for emergent anti-terrorism/force protection and homeland defense requirements. [P5 / Integrated Warfare Systems]: (AG100/AG200) - Provides components, load and assemble complete rounds and acceptance testing. Unit costs and quantities are adjusted during year of execution. Provides for Transportation Account Code (TAC) first destination delivery of production items and Single Manager Conventional Ammunition (SMCA) related costs. [P5 / (AG850) PRODUCT IMPROVEMENT]: Provides engineering services and related efforts by government activities, the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. [P5 / (AG893) RENOVATION COMPONENTS]: Provides for renovation components used to upgrade unserviceable rounds into ready-for-issue condition. [P5 / (AG894) GAUGE REQUIREMENTS]: Provides for procurement of gauges, auxiliary and test equipment and support costs necessary for ammunition metrology to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance. [P5 / (AG895) NON-STANDARD]: Provides for non-standard items of ammunition. Includes training aids and initial procurements of required non type classified munition items. [P5 / (AG830) PRODUCTION ENGINEERING]: Provides for production engineering services. [P5 - 2 /]: Provides for Naval Special Warfare components, load and assemble complete rounds and for conducting acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities are adjusted during year of execution [P5 - 2 / Production Engineering]: Provides for production engineering services.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition		P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
Line Item MDAP/MAIS Code: 000	Item MDAP/MAIS Code(s):	

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Navy	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	40.752	47.768	45.426	4.674	50.100	41.817	42.179	43.134	44.395
NR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.055	0.057	0.057	-	0.057	0.056	0.057	0.058	0.059
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	40.807	47.825	45.483	4.674	50.157	41.873	42.236	43.192	44.454

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition					P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition			
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:		Other Related Program Elements:			
Line Item MDAP/MAIS Code: 000		Item MDAP/MAIS Code(s):						
Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Integrated Warfare Systems	P-5, P-5a, P-21		- / 68.664	- / 40.397	- / 41.908	- / 41.725	- / -	- / 41.725
2 / Naval Special Warfare	P-5, P-5a, P-21		- / 5.129	- / 0.410	- / 5.917	- / 3.758	- / 4.674	- / 8.432
Total Gross/Weapon System Cost			- / 73.793	- / 40.807	- / 47.825	- / 45.483	- / 4.674	- / 50.157
*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: FY16 baseline funding procures 20MM ammunition used for ship defense in MK15 Close-In Weapon System, 25MM ammunition used for FAC/FIAC defense in MK38 MOD 2 Machine Gun System on all platforms other than LPD & LCS, 30MM ammunition used for FAC/FIAC defense in MK46 MOD 2 Gun Weapon System on LPD and LCS, and 40MM grenades for MK19 Automatic Grenade Launcher used by Naval Mobile Construction Battalions and Riverine Forces. Baseline funding also provides Production Engineering and Gauge requirements for 20MM, 25MM, 30MM, and 40MM ammunition. OCO: FY16 Overseas Contingency Operation (OCO) is required to replenish stocks depleted in support of Operation Freedom's Sentinel (OFS) and current combat and training expenditures.								

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems						
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>				68.664		40.397		41.908		41.725		-		41.725				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>				68.664		40.397		41.908		41.725		-		41.725				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				68.664		40.397		41.908		41.725		-		41.725				
(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 (\$)	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 - 25MM - (AG100) CARTRIDGES Cost																		
Recurring Cost																		
1.1.1) CART., 25MM HEI-T/SAPHEI-T (AA98)	-	-	0.399	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.1.2) CART., 25MM APDS-T (A974) ^(†)	106.00	50,000	5.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.1.3) CTG, 25MM, TP-T, M793 (A976) ^(†)	-	-	0.000	-	-	-	-	-	-	35.00	90,200	3.157	-	-	-	35.00	90,200	
Subtotal: Recurring Cost	-	-	5.699	-	-	-	-	-	-	-	-	3.157	-	-	-	-	-	
Subtotal: Hardware - 25MM - (AG100) CARTRIDGES Cost	-	-	5.699	-	-	-	-	-	-	-	-	3.157	-	-	-	-	3.157	
Hardware - 30MM - (AG100) CARTRIDGES Cost																		
Recurring Cost																		
2.1.1) CART., 30MM APFSDS-T (AB51) ^(†)	461.51	33,490	15.456	334.72	26,306	8.805	344.75	40,000	13.790	355.11	35,400	12.571	-	-	-	355.11	35,400	
2.1.2) CART., 30MM TP-T LKD (AA90) ^(†)	48.56	36,860	1.790	-	-	-	-	-	-	51.40	30,000	1.542	-	-	-	51.40	30,000	
2.1.3) CARTRIDGE, 30MM X 173, LINKED (AB44) ^(†)	62.45	112,200	7.007	142.66	38,428	5.482	133.95	40,000	5.358	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost	-	-	24.253	-	-	14.287	-	-	19.148	-	-	14.113	-	-	-	-	-	

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems						
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: Hardware - 30MM - (AG100) CARTRIDGES Cost	-	-	24.253	-	-	14.287	-	-	19.148	-	-	14.113	-	-	-	-	-	14.113
Hardware - 40MM - (AG100) CARTRIDGES Cost																		
Recurring Cost																		
3.1.1) CTG., 40MM, GREEN STAR PARACH (B504) ^(†)	86.07	6,820	0.587	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.2) CTG., 40MM PRAC., M79 F/M203 (B519)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.3) CTG 40MM M583A1 (B535) ^(†)	46.57	31,460	1.465	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.4) CTG, 40MM, FIXED, HE (B542)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.5) CTG 40MM HEDP (B546) ^(†)	43.82	81,106	3.554	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.6) CTG, 40MM, FIXED, PRAC., F/MK (B576) ^(†)	15.16	1,125,850	17.071	15.72	188,032	2.955	18.39	49,984	0.919	-	-	-	-	-	-	-	-	-
3.1.7) CTG, 40MM, BLANK, SAL 200 GRAMS BRASS (B650) ^(†)	43.88	27,918	1.225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.8) CTG, 40MM BLANK SAL 50 GRAMS STEEL (B550) ^(†)	56.67	6,300	0.357	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.9) CTG 40MM, 300M NLWM (BA26)	27.35	50,018	1.368	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	25.629	-	-	2.955	-	-	0.919	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 40MM - (AG100) CARTRIDGES Cost	-	-	25.629	-	-	2.955	-	-	0.919	-	-	-	-	-	-	-	-	-
Hardware - OTHER - (AG100) CARTRIDGES Cost																		
Recurring Cost																		
4.1.1) TRANSPORTATION ACCT CODE	-	-	1.541	-	-	0.254	-	-	0.446	-	-	0.451	-	-	-	-	-	0.451
4.1.2) PE/QA SMCA	-	-	1.174	-	-	0.246	-	-	0.494	-	-	0.554	-	-	-	-	-	0.554
Subtotal: Recurring Cost	-	-	2.715	-	-	0.500	-	-	0.940	-	-	1.005	-	-	-	-	-	1.005

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems						
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: Hardware - OTHER - (AG100) CARTRIDGES Cost	-	-	2.715	-	-	0.500	-	-	0.940	-	-	1.005	-	-	-	-	-	1.005
Hardware - (AG200) CARTRIDGES Cost																		
Recurring Cost																		
5.1.1) CART., 20MM DUMMY, M51A4N (AA20) ^(†)	9.96	158,400	1.578	13.53	60,000	0.812	13.80	43,840	0.605	14.06	21,050	0.296	-	-	-	14.06	21,050	0.296
5.1.2) CART., 20MM MK 244 ELC (AA61) ^(†)	37.38	228,332	8.534	30.89	621,619	19.204	31.36	570,408	17.888	31.83	648,000	20.626	-	-	-	31.83	648,000	20.626
Subtotal: Recurring Cost	-	-	10.112	-	-	20.016	-	-	18.493	-	-	20.922	-	-	-	-	-	20.922
Subtotal: Hardware - (AG200) CARTRIDGES Cost	-	-	10.112	-	-	20.016	-	-	18.493	-	-	20.922	-	-	-	-	-	20.922
Hardware - OTHER - (AG200) CARTRIDGES Cost																		
Recurring Cost																		
6.1.1) PE/QA SMCA- AG200	-	-	0.111	-	-	0.415	-	-	0.146	-	-	0.194	-	-	-	-	-	0.194
Subtotal: Recurring Cost	-	-	0.111	-	-	0.415	-	-	0.146	-	-	0.194	-	-	-	-	-	0.194
Subtotal: Hardware - OTHER - (AG200) CARTRIDGES Cost	-	-	0.111	-	-	0.415	-	-	0.146	-	-	0.194	-	-	-	-	-	0.194
Hardware - (AG850) PRODUCT IMPROVEMENT Cost																		
Recurring Cost																		
7.1.1) PRODUCT IMPROVEMENT	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (AG850) PRODUCT IMPROVEMENT Cost	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (AG893) RENOVATION COMPONENTS Cost																		
Recurring Cost																		
8.1.1) RENOVATION COMPONENTS	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (AG893) RENOVATION COMPONENTS Cost	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (AG894) GAUGE REQUIREMENTS Cost																		

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems						
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)
Recurring Cost																		
9.1.1) GAUGE REQUIREMENTS	-	-	0.142	-	-	0.086	-	-	0.034	-	-	0.035	-	-	-	-	-	0.035
Subtotal: Recurring Cost	-	-	0.142	-	-	0.086	-	-	0.034	-	-	0.035	-	-	-	-	-	0.035
Subtotal: Hardware - (AG894) GAUGE REQUIREMENTS Cost	-	-	0.142	-	-	0.086	-	-	0.034	-	-	0.035	-	-	-	-	-	0.035
Hardware - (AG895) NON-STANDARD Cost																		
Recurring Cost																		
10.1.1) Non-Standard	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (AG895) NON-STANDARD Cost	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - (AG830) PRODUCTION ENGINEERING Cost																		
11.1) PRODUCTION ENGINEERING	-	-	0.000	-	-	2.138	-	-	2.228	-	-	2.299	-	-	-	-	-	2.299
Subtotal: Support - (AG830) PRODUCTION ENGINEERING Cost	-	-	0.000	-	-	2.138	-	-	2.228	-	-	2.299	-	-	-	-	-	2.299
Gross/Weapon System Cost	-	-	68.664	-	-	40.397	-	-	41.908	-	-	41.725	-	-	-	-	-	41.725
(†) 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: 1508N / 01 / 1				P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition				Item Number / Title [DODIC]: 1 / Integrated Warfare Systems				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.2) CART., 25MM APDS-T (A974)		2011	ALLIANT TECH / ATK	C / FFP	PICATINNY ARSENAL	Feb 2013	Jan 2015	50,000	94.02	Y		Mar 2012
1.1.3) CTG, 25MM, TP-T, M793 (A976)		2016	UNKNOWN / UNKNOWN	C / FFP	JMC ROCK ISLAND	Mar 2016	May 2017	90,200	35.00	N	Aug 2015	Oct 2015
2.1.1) CART., 30MM APFSDS-T (AB51) ^(†)		2011	GENERAL DYNAMICS OTS / MARION, IL	SS / FFP	ARDEC	May 2013	Jun 2014	7,250	351.26	Y		Mar 2012
2.1.1) CART., 30MM APFSDS-T (AB51) ^(†)		2013	GENERAL DYNAMICS OTS / MARION, IL	SS / FFP	ARDEC	May 2013	Jun 2014	13,550	531.34	Y		Jan 2013
2.1.1) CART., 30MM APFSDS-T (AB51) ^(†)		2014 (1)	GENERAL DYNAMICS OTS / MARION, IL	SS / FFP	NSWC IHD	Apr 2015	Jun 2016	26,306	334.72	Y		May 2014
2.1.1) CART., 30MM APFSDS-T (AB51) ^(†)		2015 (2)	TBD / TBD	C / FFP	PICATINNY ARSENAL	Jun 2015	Feb 2017	40,000	344.75	Y		Oct 2014
2.1.1) CART., 30MM APFSDS-T (AB51) ^(†)		2016	TBD / TBD	C / FFP	PICATINNY ARSENAL	Mar 2016	Feb 2018	35,400	355.11	Y		Oct 2014
2.1.2) CART., 30MM TP-T LKD (AA90)		2013	ALLIANT TECH / ATK	C / FFP	JMC ROCK ISLAND	May 2013	May 2015	36,572	48.90	Y		Sep 2012
2.1.2) CART., 30MM TP-T LKD (AA90)		2016	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2016	May 2017	30,000	51.40	Y		Sep 2012
2.1.3) CARTRIDGE, 30MM X 173, LINKED (AB44) ^(†)		2011	ALLIANT TECH / ATK	C / FFP	JMC ROCK ISLAND	Jan 2013	May 2015	112,200	102.08	Y		Jul 2012
2.1.3) CARTRIDGE, 30MM X 173, LINKED (AB44) ^(†)		2014	ALLIANT TECH / ATK	C / FFP	JMC ROCK ISLAND	May 2014	Aug 2015	38,428	142.66	Y		Jul 2012
2.1.3) CARTRIDGE, 30MM X 173, LINKED (AB44) ^(†)		2015	ALLIANT TECH / ATK	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2016	40,000	133.95	Y		Jul 2012
3.1.1) CTG., 40MM, GREEN STAR PARACH (B504) ^(†)		2012	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Sep 2012	Mar 2015	6,820	36.71	Y		Dec 2011
3.1.3) CTG 40MM M583A1 (B535)		2011	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Sep 2011	Sep 2015	19,624	43.21	Y		Oct 2010
3.1.3) CTG 40MM M583A1 (B535)		2012	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Sep 2012	Mar 2016	11,836	45.80	Y		Dec 2011
3.1.5) CTG 40MM HEDP (B546)		2012	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Mar 2012	Feb 2014	14,112	48.26	Y		Dec 2010
3.1.5) CTG 40MM HEDP (B546)		2013	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Mar 2013	Dec 2015	56,554	41.42	Y		Nov 2012
3.1.5) CTG 40MM HEDP (B546)	✓	2013	AMETEC CORPORATION / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Jul 2014	Feb 2017	10,440	50.85	Y		Feb 2013

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition					Item Number / Title [DODIC]: 1 / Integrated Warfare Systems			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.1.6) CTG, 40MM, FIXED, PRAC., F/MK (B576) ^(†)		2012	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Mar 2012	Nov 2013	127,040	15.45	Y		Dec 2010
3.1.6) CTG, 40MM, FIXED, PRAC., F/MK (B576) ^(†)	✓	2012	AMERICAN ORDANANCE / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Sep 2012	Feb 2014	11,744	15.49	Y		Dec 2011
3.1.6) CTG, 40MM, FIXED, PRAC., F/MK (B576) ^(†)		2013	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Mar 2013	Dec 2015	207,296	16.13	Y		Nov 2012
3.1.6) CTG, 40MM, FIXED, PRAC., F/MK (B576) ^(†)		2014	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Sep 2014	Mar 2017	162,016	15.71	Y		Nov 2013
3.1.6) CTG, 40MM, FIXED, PRAC., F/MK (B576) ^(†)	✓	2014	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Sep 2014	Apr 2017	26,016	15.72	Y		Nov 2013
3.1.6) CTG, 40MM, FIXED, PRAC., F/MK (B576) ^(†)	✓	2015	AMERICAN ORDANANCE / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Mar 2015	Apr 2017	49,984	18.39	Y		Nov 2013
3.1.7) CTG, 40MM, BLANK, SAL 200 GRAMS BRASS (B650)		2012	MCALESTER AAP / MCALESTER, OK	MIPR	JMC ROCK ISLAND	Oct 2013	Mar 2015	7,182	44.02	Y		Aug 2011
3.1.7) CTG, 40MM, BLANK, SAL 200 GRAMS BRASS (B650)		2013	MCALESTER AAP / MCALESTER, OK	MIPR	JMC ROCK ISLAND	Oct 2013	Mar 2015	20,736	43.64	Y		Aug 2011
3.1.8) CTG, 40MM BLANK SAL 50 GRAMS STEEL (B550)		2013	MCALESTER AAP / MCALESTER, OK	MIPR	JMC ROCK ISLAND	Oct 2013	Mar 2015	6,300	55.91	Y		Aug 2011
5.1.1) CART., 20MM DUMMY, M51A4N (AA20)		2014	MAST TECHNOLOGY / INDEPENDENCE, MO	C / FFP	NSWC IHD	Sep 2014	Mar 2016	60,000	13.53	Y		Jan 2013
5.1.1) CART., 20MM DUMMY, M51A4N (AA20)		2015	TBD / TBD	C / FFP	NSWC IHD	Mar 2015	Mar 2017	43,840	13.80	Y		Jan 2013
5.1.1) CART., 20MM DUMMY, M51A4N (AA20)		2016	TBD / TBD	C / FFP	NSWC IHD	Mar 2016	Mar 2018	21,050	14.06	Y		Jan 2013
5.1.2) CART., 20MM MK 244 ELC (AA61) ^(†)		2013	GD-OTS / MARION, IL	C / FFP	JMC ROCK ISLAND	Jul 2013	Apr 2014	228,332	37.38	Y		Dec 2012
5.1.2) CART., 20MM MK 244 ELC (AA61) ^(†)		2014	ALLIANT TECH / ATK	C / FFP	JMC ROCK ISLAND	Sep 2014	Sep 2016	621,619	30.89	Y		Dec 2012
5.1.2) CART., 20MM MK 244 ELC (AA61) ^(†)		2015	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2015	Sep 2017	570,408	31.36	Y		Dec 2012
5.1.2) CART., 20MM MK 244 ELC (AA61) ^(†)		2016	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2016	Mar 2018	648,000	31.83	Y		Dec 2012
^(†) indicates the presence of a P-21												
Footnotes:												

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems

(1) FY14 contract for AB51 changed from a Competitive to Sole Source contract which caused delay in award.

(2) FY15 contract for AB51 will be a Competitive base award with options, planning June 2015 award based on new contracting activity milestones.

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Exhibit P-21, Production Schedule: PB 2016 Navy																			Date: February 2015													
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition										Item Number / Title [DODIC]: 1 / Integrated Warfare Systems												
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2011										Fiscal Year 2012															
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2010	BAL DUE AS OF 1 OCT	Calendar Year 2011										Calendar Year 2012										B A L					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P	
2.1.1) CART., 30MM APFSDS-T (AB51)																																
Prior Years Deliveries: 12690																																
	2	2011	NAVY	7.250	-	7.250																										7.250
	2	2013	NAVY	13.550	-	13.550																										13.550
	2	2014	NAVY	26.306	-	26.306																										26.306
	1	2015	NAVY	40.000	-	40.000																										40.000
	1	2016	NAVY	35.400	-	35.400																										35.400
2.1.3) CARTRIDGE, 30MM X 173, LINKED (AB44)																																
	3	2011	NAVY	112.200	-	112.200																										112.200
	3	2014	NAVY	38.428	-	38.428																										38.428
	4	2015	NAVY	40.000	-	40.000																										40.000
3.1.1) CTG., 40MM, GREEN STAR PARACH (B504)																																
	5	2012	NAVY	6.820	-	6.820																									A -	6.820
3.1.6) CTG, 40MM, FIXED, PRAC., F/MK (B576)																																
Prior Years Deliveries: 779770																																
	6	2012	NAVY	127.040	-	127.040																										127.040
✓	8	2012	NAVY	11.744	-	11.744																									A -	11.744
	7	2013	NAVY	207.296	-	207.296																										207.296
	9	2014	NAVY	162.016	-	162.016																										162.016
✓	9	2014	NAVY	26.016	-	26.016																										26.016
✓	8	2015	NAVY	49.984	-	49.984																										49.984
5.1.2) CART., 20MM MK 244 ELC (AA61)																																
	10	2013	NAVY	228.332	-	228.332																										228.332
	13	2014	NAVY	621.619	-	621.619																										621.619
	12	2015	NAVY	570.408	-	570.408																										570.408
	11	2016	NAVY	648.000	-	648.000																										648.000
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015													
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition										Item Number / Title [DODIC]: 1 / Integrated Warfare Systems													
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2013										Fiscal Year 2014																
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 2	BAL DUE AS OF 1 OCT	Calendar Year 2013										Calendar Year 2014										B A L						
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P		
2.1.1) CART., 30MM APFSDS-T (AB51)																																	
Prior Years Deliveries: 12690																																	
	2	2011	NAVY	7.250	-	7.250									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	4.000	3.250		-	
	2	2013	NAVY	13.550	-	13.550									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	10.000	3.550		-	
	2	2014	NAVY	26.306	-	26.306																										26.306	
	1	2015	NAVY	40.000	-	40.000																										40.000	
	1	2016	NAVY	35.400	-	35.400																										35.400	
2.1.3) CARTRIDGE, 30MM X 173, LINKED (AB44)																																	
	3	2011	NAVY	112.200	-	112.200					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	112.200	
	3	2014	NAVY	38.428	-	38.428																						A -	-	-	-	-	38.428
	4	2015	NAVY	40.000	-	40.000																										40.000	
3.1.1) CTG., 40MM, GREEN STAR PARACH (B504)																																	
	5	2012	NAVY	6.820	-	6.820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.820	
3.1.6) CTG, 40MM, FIXED, PRAC., F/MK (B576)																																	
Prior Years Deliveries: 779770																																	
	6	2012	NAVY	127.040	-	127.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.000	30.000	30.000	37.040								-	
✓	8	2012	NAVY	11.744	-	11.744	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.000	3.000	3.000	2.744					-	
	7	2013	NAVY	207.296	-	207.296						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	207.296	
	9	2014	NAVY	162.016	-	162.016																									A -	162.016	
✓	9	2014	NAVY	26.016	-	26.016																									A -	26.016	
✓	8	2015	NAVY	49.984	-	49.984																										49.984	
5.1.2) CART., 20MM MK 244 ELC (AA61)																																	
	10	2013	NAVY	228.332	-	228.332									A -	-	-	-	-	-	-	-	-	-	-	228.332						-	
	13	2014	NAVY	621.619	-	621.619																									A -	621.619	
	12	2015	NAVY	570.408	-	570.408																										570.408	
	11	2016	NAVY	648.000	-	648.000																										648.000	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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LI 0270 - Other Ship Gun Ammunition
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Exhibit P-21, Production Schedule: PB 2016 Navy																			Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition										Item Number / Title [DODIC]: 1 / Integrated Warfare Systems											
Cost Elements <i>(Units in Thousands)</i>							Fiscal Year 2017										Fiscal Year 2018														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 6	BAL D U E A S O F 1 O C T	Calendar Year 2017										Calendar Year 2018														
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
2.1.1) CART., 30MM APFSDS-T (AB51)																															
Prior Years Deliveries: 12690																															
	2	2011	NAVY	7.250	7.250	-																									-
	2	2013	NAVY	13.550	13.550	-																									-
	2	2014	NAVY	26.306	26.306	-																									-
	1	2015	NAVY	40.000	-	40.000	-	-	-	-	10.000	10.000	10.000	10.000											-						
	1	2016	NAVY	35.400	-	35.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.000	10.000	10.000	5.400					-		
2.1.3) CARTRIDGE, 30MM X 173, LINKED (AB44)																															
	3	2011	NAVY	112.200	112.200	-																									-
	3	2014	NAVY	38.428	38.428	-																									-
	4	2015	NAVY	40.000	-	40.000	20.000	20.000																							-
3.1.1) CTG., 40MM, GREEN STAR PARACH (B504)																															
	5	2012	NAVY	6.820	6.820	-																									-
3.1.6) CTG, 40MM, FIXED, PRAC., F/MK (B576)																															
Prior Years Deliveries: 779770																															
	6	2012	NAVY	127.040	127.040	-																									-
✓	8	2012	NAVY	11.744	11.744	-																									-
	7	2013	NAVY	207.296	207.296	-																									-
	9	2014	NAVY	162.016	-	162.016	-	-	-	-	-	-	162.016																		-
✓	9	2014	NAVY	26.016	-	26.016	-	-	-	-	-	-	10.000	16.016																	-
✓	8	2015	NAVY	49.984	-	49.984	-	-	-	-	-	-	10.000	10.000	10.000	10.000	9.984														-
5.1.2) CART., 20MM MK 244 ELC (AA61)																															
	10	2013	NAVY	228.332	228.332	-																									-
	13	2014	NAVY	621.619	200.000	421.619	206.900	214.719																							-
	12	2015	NAVY	570.408	-	570.408	-	-	-	-	-	-	-	-	-	-	-	200.000	200.000	170.408											-
	11	2016	NAVY	648.000	-	648.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200.000	200.000	248.000					-		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Navy								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition					Item Number / Title [DODIC]: 1 / Integrated Warfare Systems		

		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	TBD - TBD	70	840,000	1,700,000	6	6	23	29	6	6	20	26
2	GENERAL DYNAMICS OTS - MARION, IL	70	840,000	1,700,000	6	6	13	19	6	10	14	24
3	ALLIANT TECH - ATK	70	840,000	1,700,000	10	10	28	38	6	6	15	21
4	ALLIANT TECH - ATK	70	840,000	1,700,000	10	10	19	29	6	6	12	18
5	AMTEC CORPORATION - JANESVILLE, WI	70	840,000	1,700,000	6	6	30	36	6	6	18	24
6	AMTEC CORPORATION - JANESVILLE, WI	70	840,000	1,700,000	6	6	27	33	6	6	20	26
7	AMTEC CORPORATION - JANESVILLE, WI	70	840,000	1,700,000	6	6	33	39	6	6	20	26
8	AMERICAN ORDANANCE - JANESVILLE, WI	70	84,000	1,700,000	8	6	17	23	6	6	25	31
9	AMTEC CORPORATION - JANESVILLE, WI	70	84,000	1,700,000	8	8	30	38	6	6	31	37
10	GD-OTS - MARION, IL	70	840,000	1,700,000	6	6	9	15	6	6	26	32
11	TBD - TBD	70	840,000	1,700,000	6	6	24	30	6	6	21	27
12	TBD - TBD	70	840,000	1,700,000	6	6	30	36	6	6	23	29
13	ALLIANT TECH - ATK	70	840,000	1,700,000	6	6	30	36	6	6	24	30

"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: 1508N / 01 / 1						P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition						Item Number / Title [DODIC]: 2 / Naval Special Warfare						
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)				5.129		0.410		5.917		3.758		4.674		8.432				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P1) (\$ in Millions)				5.129		0.410		5.917		3.758		4.674		8.432				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				5.129		0.410		5.917		3.758		4.674		8.432				
(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)
Hardware - NSW Hardware Cost																		
Recurring Cost																		
1.1.2) CTG, 60 MM HE-PD M88 M935 (B643) ^(†)	-	-	0.000	-	-	-	500.00	816	0.408	442.76	1,152	0.510	442.76	10,557	4.674	442.76	11,709	5.184
1.1.3) CTG, 40MM, FIXED, PRAC., F/MK (B576) ^(†)	15.64	78,836	1.233	-	-	-	-	-	-	19.15	40,000	0.766	-	-	-	19.15	40,000	0.766
1.1.4) CTG, 40MM HE-DP, LINKED F/ MK-19 (B542)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) RKT 66MM HE M72A7 (LAW) (HA29) ^(†)	1,224.05	973	1.191	-	-	-	3,000.00	1,000	3.000	-	-	-	-	-	-	-	-	-
1.1.6) CTG, 60 MM HE MAPAM, XM1061, W/FUZE M734A1 (BA29) ^(†)	1,529.29	1,400	2.141	1,576.92	260	0.410	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) CTG., 40MM ILLUMINATION, WHITE STAR CLUST (B536) ^(†)	-	-	0.000	-	-	-	61.97	10,032	0.622	-	-	-	-	-	-	-	-	-
1.1.8) CTG., 40MM PRAC., M79/F/M203 (B519) ^(†)	4.09	85,000	0.348	-	-	-	-	-	-	4.78	60,000	0.287	-	-	-	4.78	60,000	0.287

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition						Item Number / Title [DODIC]: 2 / Naval Special Warfare						
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)
1.1.9) CTG., 40MM HIGH VELOCITY TP MK 281 MOD 0 (BA12) ^(†)	-	-	0.000	-	-	-	32.38	46,976	1.521	-	-	-	-	-	-	-	-	-
1.1.10) CTG., 40MM PRAC., DAY/NIGHT MARKING MK (BA21) ^(†)	-	-	0.000	-	-	-	-	-	-	34.05	57,269	1.950	-	-	-	34.05	57,269	1.950
Subtotal: Recurring Cost	-	-	4.914	-	-	0.410	-	-	5.551	-	-	3.513	-	-	4.674	-	-	8.187
Subtotal: Hardware - NSW Hardware Cost	-	-	4.914	-	-	0.410	-	-	5.551	-	-	3.513	-	-	4.674	-	-	8.187
Support - (NS830) PRODUCTION ENGINEERING Cost																		
2.1) Production Engineering	-	-	0.215	-	-	-	-	-	0.366	-	-	0.245	-	-	-	-	-	0.245
Subtotal: Support - (NS830) PRODUCTION ENGINEERING Cost	-	-	0.215	-	-	-	-	-	0.366	-	-	0.245	-	-	-	-	-	0.245
Gross/Weapon System Cost	-	-	5.129	-	-	0.410	-	-	5.917	-	-	3.758	-	-	4.674	-	-	8.432
(†) indicates the presence of a P-5a																		

(†) 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: 1508N / 01 / 1				P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition				Item Number / Title [DODIC]: 2 / Naval Special Warfare				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.2) CTG, 60 MM HE-PD M88 M935 (B643) ^(†)		2015	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2016	816	500.00	Y		Dec 2014
1.1.2) CTG, 60 MM HE-PD M88 M935 (B643) ^(†)		2016	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2017	1,152	442.76	Y		Dec 2014
1.1.2) CTG, 60 MM HE-PD M88 M935 (B643) ^(†)	✓	2016	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2017	10,557	442.76	Y		Dec 2014
1.1.3) CTG, 40MM, FIXED, PRAC., F/MK (B576)		2012	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Jun 2012	Nov 2013	78,836	15.49	Y		Dec 2010
1.1.3) CTG, 40MM, FIXED, PRAC., F/MK (B576)		2016	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Mar 2016	Aug 2017	40,000	19.15	Y		Dec 2014
1.1.5) RKT 66MM HE M72A7 (LAW) (HA29)		2013	PINE BLUFF ARSENAL / PINE BLUFF, AR	C / FFP	JMC ROCK ISLAND	Mar 2013	Mar 2015	973	1,224.05	Y		Oct 2011
1.1.5) RKT 66MM HE M72A7 (LAW) (HA29)	✓	2015	PINE BLUFF ARSENAL / PINE BLUFF, AR	C / FFP	JMC ROCK ISLAND	Mar 2015	Mar 2017	1,000	3,000.00	Y		Oct 2011
1.1.6) CTG, 60 MM HE MAPAM, XM1061, W/FUZE M734A1 (BA29)		2012	PINE BLUFF ARSENAL / PINE BLUFF, AR	C / FFP	NSWC CRANE	Jun 2012	Dec 2013	1,400	1,529.41	Y		Dec 2011
1.1.6) CTG, 60 MM HE MAPAM, XM1061, W/FUZE M734A1 (BA29)		2014	PINE BLUFF ARSENAL / PINE BLUFF, AR	C / FFP	NSWC CRANE	Jun 2014	Dec 2015	260	1,576.92	Y		Dec 2011
1.1.7) CTG., 40MM ILLUMINATION, WHITE STAR CLUST (B536)		2015	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Apr 2015	Apr 2016	10,032	61.97	Y		Dec 2013
1.1.8) CTG., 40MM PRAC., M79/F/ M203 (B519)		2016	AMTEC CORPORATION / JANESVILLE, WI	C / FFP	JMC ROCK ISLAND	Mar 2016	Apr 2017	60,000	4.78	Y		Oct 2015
1.1.9) CTG., 40MM HIGH VELOCITY TP MK 281 MOD 0 (BA12)		2015	RHEINMETALL / GERMANY	C / FFP	JMC ROCK ISLAND	Apr 2015	Oct 2016	46,976	32.38	Y		Dec 2013
1.1.10) CTG., 40MM PRAC., DAY/ NIGHT MARKING MK (BA21) ^(†)		2016	RHEINMETALL / GERMANY	C / FFP	USMC Quantico	Apr 2016	Oct 2017	57,269	34.05	Y		Dec 2014
^(†) 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: 1508N / 01 / 1										P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition										Item Number / Title [DODIC]: 2 / Naval Special Warfare											
Cost Elements (Units in Thousands)							Fiscal Year 2012										Fiscal Year 2013														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	Calendar Year 2012										Calendar Year 2013										B A L				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P
1.1.2) CTG, 60 MM HE-PD M88 M935 (B643)																															
	1	2015	NAVY	.816	-	.816																									.816
	1	2016	NAVY	1.152	-	1.152																									1.152
✓	1	2016	NAVY	10.557	-	10.557																									10.557
1.1.10) CTG., 40MM PRAC., DAY/NIGHT MARKING MK (BA21)																															
	2	2016	NAVY	57.269	-	57.269																									57.269
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition										Item Number / Title [DODIC]: 2 / Naval Special Warfare												
Cost Elements (Units in Thousands)							Fiscal Year 2014												Fiscal Year 2015													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014												Calendar Year 2015												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
1.1.2) CTG, 60 MM HE-PD M88 M935 (B643)																																
	1	2015	NAVY	.816	-	.816																			A -	-	-	-	-	-	-	.816
	1	2016	NAVY	1.152	-	1.152																										1.152
✓	1	2016	NAVY	10.557	-	10.557																										10.557
1.1.10) CTG., 40MM PRAC., DAY/NIGHT MARKING MK (BA21)																																
	2	2016	NAVY	57.269	-	57.269																										57.269
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015												
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition										Item Number / Title [DODIC]: 2 / Naval Special Warfare												
Cost Elements (Units in Thousands)							Fiscal Year 2016												Fiscal Year 2017													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
1.1.2) CTG, 60 MM HE-PD M88 M935 (B643)																																
	1	2015	NAVY	.816	-	.816	-	-	-	-	-	-	-	-	-	-	-	-	.816													-
	1	2016	NAVY	1.152	-	1.152							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.152	
✓	1	2016	NAVY	10.557	-	10.557							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.557	
1.1.10) CTG., 40MM PRAC., DAY/NIGHT MARKING MK (BA21)																																
	2	2016	NAVY	57.269	-	57.269							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57.269	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition													Item Number / Title [DODIC]: 2 / Naval Special Warfare										
Cost Elements (Units in Thousands)							Fiscal Year 2018													Fiscal Year 2019													
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 7	BAL DUE AS OF 1 OCT	Calendar Year 2018													Calendar Year 2019													B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
1.1.2) CTG, 60 MM HE-PD M88 M935 (B643)																																	
	1	2015	NAVY	.816	.816	-																										-	
	1	2016	NAVY	1.152	-	1.152	1.152																										-
✓	1	2016	NAVY	10.557	-	10.557	10.557																										-
1.1.10) CTG., 40MM PRAC., DAY/NIGHT MARKING MK (BA21)																																	
	2	2016	NAVY	57.269	-	57.269	57.269																										-
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Navy				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1			P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition				Item Number / Title [DODIC]: 2 / Naval Special Warfare

		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	AMERICAN ORDNANCE LLC (IAAP) - MIDDLETOWN, IA	-	-	-	6	6	19	25	6	6	7	13
2	RHEINMETALL - GERMANY	80	70,000	1,640,000	6	6	18	24	6	6	18	24

"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-40, Budget Line Item Justification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition							P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo					
ID Code (A=Service Ready, B=Not Service Ready) : B			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>)	183.238	73.195	54.096	52.080	3.456	55.536	53.929	54.713	55.945	57.036	-	587.688
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	183.238	73.195	54.096	52.080	3.456	55.536	53.929	54.713	55.945	57.036	-	587.688
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	183.238	73.195	54.096	52.080	3.456	55.536	53.929	54.713	55.945	57.036	-	587.688
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: Program provides ammunition in support of active Navy ships and for active and reserve ashore warfare forces. [P5 / Integrated Warfare Systems]: (AH100) - Provides for all types of components, load and assemble complete rounds and acceptance testing. Provides for Transportation Account Code (TAC) first destination delivery of production items and Single Manager Conventional Ammunition (SMCA) related costs. Unit costs and quantities are adjusted during year of execution. [P5 / (AH350) MATCH AMMO]: Special Ammunition required to support Navy approved marksmanship competition matches. [P5 / (AHG86) OVERSEAS CONTINGENCY OPERATIONS (OCO)]: Provides for procurement of ammunition with OCO funding. [P5 / (AH850) PRODUCT IMPROVEMENT]: Provides engineering services and related efforts by government activities, the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope. [P5 / (AH893) RENOVATION COMPONENTS]: Provides for renovation components used to upgrade unserviceable rounds into ready-for-issue condition. [P5 / (AH894) GAUGE REQUIREMENTS]: Provides for procurement of gauges, auxiliary and test equipment and support costs necessary for ammunition metrology to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance. [P5 / (AH895) NON-STANDARD]: Provides for non-standard items of ammunition. Includes training aids and initial procurements of required non type classified munition items including law enforcement ammunition for NCIS. [P5 / (AH830) PRODUCTION ENGINEERING]: Provides for production engineering services. [P5 - 2 / Naval Special Warfare (NSW)]: (AHNSW) - Provides for all types of Naval Special Warfare components, load and assemble complete rounds and for conducting acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities are adjusted during year of execution.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy								Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition						P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo				
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items:			Other Related Program Elements:				
[P5 - 2 / (NS830) PRODUCTION ENGINEERING]: Provides for production engineering services.										
Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Navy	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	73.132	54.032	51.719	3.456	55.175	53.498	54.355	55.530	56.566
NR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.063	0.064	0.361	-	0.361	0.431	0.358	0.415	0.470
Total:	Quantity	-	-	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	73.195	54.096	52.080	3.456	55.536	53.929	54.713	55.945	57.036

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition				P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo				
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 (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Integrated Warfare Systems	P-5, P-5a, P-21		- / 148.304	- / 43.353	- / 34.821	- / 33.866	- / 2.007	- / 35.873
2 / Naval Special Warfare (NSW)	P-5, P-5a, P-21		- / 34.934	- / 29.842	- / 19.275	- / 18.217	- / 1.449	- / 19.666
Total Gross/Weapon System Cost			- / 183.238	- / 73.195	- / 54.096	- / 52.080	- / 3.456	- / 55.536
*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:

FY16 baseline funding procures ammunition to support shotguns, handguns, rifles, machine guns, grenades and land mines. 12 Gauge, 5.56MM, 7.62MM, 9MM, 38 Caliber, 40 Caliber, 45 Caliber, 50 Caliber, Hand and Smoke Grenades, and Mines are used for all Active Navy Ships, and all Active and Reserve Ashore warfare forces, including Navy Expeditionary Combat Command, Maritime Expeditionary Security Forces, Inshore Undersea Warfare Groups, Military Sea Lift Command, Marine and Navy Air-Wing units, and Naval Criminal Investigative Service. Baseline funding also provides Product Improvement Programs to improve producibility of smoke grenades. Baseline program also funds Renovation of grenade fuzes for fragmentation and hand grenades, and Production Engineering and Gauge requirements for Small Arms Ammunition, Grenades, and Mines.

OCO:

FY16 Overseas Contingency Operation (OCO) is required to replenish stocks depleted in support of Operation Freedom's Sentinel (OFS) and current combat and training expenditures.

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems						
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>				148.304		43.353		34.821		33.866		2.007		35.873				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>				148.304		43.353		34.821		33.866		2.007		35.873				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				148.304		43.353		34.821		33.866		2.007		35.873				
(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 (\$)	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 - (AH100) PE/QA SMCA Cost																		
Recurring Cost																		
1.1.1) PE/QA SMCA	-	-	4.165	-	-	1.012	-	-	1.761	-	-	2.531	-	-	-	-	-	2.531
Subtotal: Recurring Cost	-	-	4.165	-	-	1.012	-	-	1.761	-	-	2.531	-	-	-	-	-	2.531
Subtotal: Hardware - (AH100) PE/QA SMCA Cost	-	-	4.165	-	-	1.012	-	-	1.761	-	-	2.531	-	-	-	-	-	2.531
Hardware - (AH100) TRANSPORTATION ACCOUNT CODE (TAC) Cost																		
Recurring Cost																		
2.1.1) TRANSPORTATION ACCOUNT CODE (TAC)	-	-	3.411	-	-	1.000	-	-	1.000	-	-	1.000	-	-	-	-	-	1.000
Subtotal: Recurring Cost	-	-	3.411	-	-	1.000	-	-	1.000	-	-	1.000	-	-	-	-	-	1.000
Subtotal: Hardware - (AH100) TRANSPORTATION ACCOUNT CODE (TAC) Cost	-	-	3.411	-	-	1.000	-	-	1.000	-	-	1.000	-	-	-	-	-	1.000
Hardware - (AH100) .40 CAL CARTRIDGES Cost																		
Recurring Cost																		
3.1.1) CARTRIDGE, MK 308 MOD 0, .40 (DWGW) ^(†)	0.28	1,348,900	0.384	0.30	344,500	0.103	0.32	400,000	0.128	0.32	280,800	0.090	-	-	-	0.32	280,800	0.090
3.1.2) CTG .40 CALS&W (DWGX) ^(†)	0.25	80,000	0.020	0.28	79,300	0.022	0.30	100,000	0.030	0.30	140,400	0.042	-	-	-	0.30	140,400	0.042

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems						
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: Recurring Cost	-	-	0.404	-	-	0.125	-	-	0.158	-	-	0.132	-	-	-	-	-	0.132
Subtotal: Hardware - (AH100) .40 CAL CARTRIDGES Cost	-	-	0.404	-	-	0.125	-	-	0.158	-	-	0.132	-	-	-	-	-	0.132
Hardware - (AH100) 50 CAL CARTRIDGES Cost																		
Recurring Cost																		
4.1.1) CTG .50 CAL (AA50)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.2) .50 CAL BLANK (A598) ^(†)	1.46	1,255,558	1.838	1.15	171,200	0.197	1.21	250,000	0.303	1.20	201,600	0.242	-	-	-	1.20	201,600	0.242
4.1.3) CTG, .50 LINKED (A576) ^(†)	2.53	3,585,916	9.076	-	-	-	1.99	975,830	1.942	1.99	998,400	1.987	-	-	-	1.99	998,400	1.987
4.1.4) CTG, .50 211-0 (A606)	12.62	23,924	0.302	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.5) CTG, 50 CAL, MK 211, APIT, M (AA06) ^(†)	9.69	617,600	5.985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.6) CTG, .50 CAL, AP, MK 263 MOD 0 (AA58)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.7) CTG, 50 CAL, LKD, BALL (A555) ^(†)	2.21	3,568,800	7.900	1.80	5,330,000	9.604	1.79	1,384,000	2.477	1.79	945,600	1.693	-	-	-	1.79	945,600	1.693
4.1.8) CTG, 50 CAL, LKD & TRACER (A557) ^(†)	2.03	9,946,400	20.171	1.75	8,788,400	15.384	1.84	5,894,400	10.845	1.83	3,897,600	7.133	1.83	547,200	1.003	1.83	4,444,800	8.136
Subtotal: Recurring Cost	-	-	45.274	-	-	25.185	-	-	15.567	-	-	11.055	-	-	1.003	-	-	12.058
Subtotal: Hardware - (AH100) 50 CAL CARTRIDGES Cost	-	-	45.274	-	-	25.185	-	-	15.567	-	-	11.055	-	-	1.003	-	-	12.058
Hardware - (AH100) 5.56MM CARTRIDGES Cost																		
Recurring Cost																		
5.1.1) CTG, CAL 5.56MM, FRANGIBLE (AA40) ^(†)	0.43	30,585,630	13.264	0.40	803,040	0.323	0.41	2,439,000	1.000	-	-	-	-	-	-	-	-	-
5.1.2) CTG., 5.55MM, LKD 4 BALL/1 TR (A064)	0.44	1,249,600	0.550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.3) CTG, 5.56MM M855 (A059) ^(†)	0.31	21,203,280	6.568	0.22	13,211,520	2.940	0.23	15,095,040	3.472	0.24	9,999,360	2.400	0.24	2,096,640	0.503	0.24	12,096,000	2.903

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Exhibit P-5, Cost Analysis: PB 2016 Navy													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems					
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)
5.1.4) CTG., 5.56MM, BLANK (A080)	0.24	9,069,440	2.176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.5) CTG, 5.56MM, SRTR AMMO (AA68) ^(†)	0.39	509,105	0.199	0.47	511,680	0.240	-	-	-	-	-	-	-	-	-	-	-	-
5.1.6) (AB09) CTG, 5.56MM, M1042 UTM, Blue (AB09) ^(†)	-	-	0.000	0.64	680,400	0.436	0.68	150,000	0.102	-	-	-	-	-	-	-	-	-
5.1.7) (AB10) 5.56MM, M1042 UTM, Red (AB10) ^(†)	-	-	0.000	0.64	626,400	0.401	0.68	100,000	0.068	-	-	-	-	-	-	-	-	-
5.1.8) CTG, 5.56MM, SRTR AMMO (AB67) ^(†)	-	-	0.000	-	-	-	1.00	1,000,000	1.000	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	22.757	-	-	4.340	-	-	5.642	-	-	2.400	-	-	0.503	-	-	2.903
Subtotal: Hardware - (AH100) 5.56MM CARTRIDGES Cost	-	-	22.757	-	-	4.340	-	-	5.642	-	-	2.400	-	-	0.503	-	-	2.903
Hardware - (AH100) 7.62MM CARTRIDGES Cost																		
Recurring Cost																		
6.1.1) CTG. 7.62MM (A257) ^(†)	0.56	802,500	0.453	0.47	928,500	0.435	0.49	350,000	0.172	0.48	360,000	0.173	-	-	-	0.48	360,000	0.173
6.1.2) CARTR, 7.62MM (AA11) ^(†)	1.10	1,572,460	1.723	-	-	-	-	-	-	1.21	132,480	0.160	-	-	-	1.21	132,480	0.160
6.1.3) CTG., 7.62MM X 39MM BLANK (NNSN)	0.17	399,005	0.067	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.4) CTG, 7.62MM, LKD, 9 AP TO 1 (AA36)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.5) CTG, 7.62MM, SHORT RANGE TRAINING (AA39)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.6) CTG., 7.62MM (AA04) ^(†)	2.29	298,400	0.683	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.7) CTG, 7.62MM, LKD 9 AP TO 1 DI (AA34)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.8) CTG, 7.62MM, BLANK (A111)	0.83	6,661,015	5.527	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems						
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)
6.1.9) CTG, 7.62MM, LKD, BALL AND TR (A131) ^(†)	1.10	21,515,677	23.592	0.51	4,028,000	2.041	0.55	2,000,000	1.100	0.55	6,496,000	3.573	-	-	-	0.55	6,496,000	3.573
6.1.10) CTG, 7.62MM, BALL, M80, LKD (A143) ^(†)	0.79	4,477,046	3.536	0.49	1,732,000	0.845	0.53	1,500,000	0.795	0.53	992,000	0.526	-	-	-	0.53	992,000	0.526
6.1.11) CTG, 7.62MM, LKD (A165) ^(†)	0.72	19,130,282	13.745	0.47	4,002,000	1.897	0.49	3,821,600	1.873	0.48	2,952,000	1.417	0.48	1,044,000	0.501	0.48	3,996,000	1.918
6.1.12) CTG, 7.62MM, DUMMY AMMO (A162)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.13) (AB43) CTG, 7.62mm, Dummy Ammo (AB43)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.14) (AA37) CTG, 7.62MM SHORT RANGE TRAINING AMMO (AA37) ^(†)	0.83	60,000	0.050	1.83	97,200	0.178	-	-	-	0.89	230,400	0.205	-	-	-	0.89	230,400	0.205
Subtotal: Recurring Cost	-	-	49.381	-	-	5.396	-	-	3.940	-	-	6.054	-	-	0.501	-	-	6.555
Subtotal: Hardware - (AH100) 7.62MM CARTRIDGES Cost	-	-	49.381	-	-	5.396	-	-	3.940	-	-	6.054	-	-	0.501	-	-	6.555
Hardware - (AH100) 38CAL CARTRIDGES Cost																		
Recurring Cost																		
7.1.1) CTG, .38 BLANK (A403) ^(†)	0.28	32,000	0.009	0.23	10,000	0.002	0.29	10,400	0.003	0.30	10,000	0.003	-	-	-	0.30	10,000	0.003
Subtotal: Recurring Cost	-	-	0.009	-	-	0.002	-	-	0.003	-	-	0.003	-	-	-	-	-	0.003
Subtotal: Hardware - (AH100) 38CAL CARTRIDGES Cost	-	-	0.009	-	-	0.002	-	-	0.003	-	-	0.003	-	-	-	-	-	0.003
Hardware - (AH100) 45 CAL CARTRIDGES Cost																		
Recurring Cost																		
8.1.1) CTG, .45 CAL BALL (A475) ^(†)	0.26	284,000	0.073	0.29	100,000	0.029	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.073	-	-	0.029	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (AH100) 45 CAL CARTRIDGES Cost	-	-	0.073	-	-	0.029	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (AH100) 9MM CARTRIDGES Cost																		
Recurring Cost																		

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Exhibit P-5, Cost Analysis: PB 2016 Navy													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems					
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)
9.1.1) CTG, 9MM, BALL (A363) ^(†)	0.20	46,419,084	9.283	0.17	8,430,000	1.408	0.16	7,947,000	1.272	0.16	12,000,000	1.920	-	-	-	0.16	12,000,000	1.920
9.1.2) CTG, 9MM, FX, MARKING, RED (AA12)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.1.3) CTG, 9MM, FRANGIBLE (AA16) ^(†)	0.28	1,037,200	0.290	-	-	-	-	-	-	0.31	2,976,000	0.923	-	-	-	0.31	2,976,000	0.923
9.1.4) CTG, 9MM, FX, MARKING, BLUE (AA21)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.1.5) CTG, 9MM DUMMY AMMO (A359)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.1.6) CTG, 9MM JKTD HOLLOW PT (A260)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.1.7) (AB13) CTG, 9MM, FX, MARKING, RED (AB13) ^(†)	0.55	732,000	0.406	-	-	-	0.60	1,000,000	0.600	-	-	-	-	-	-	-	-	-
9.1.8) (AB14) CTG, 9MM, FX, MARKING, BLUE (AB14) ^(†)	0.52	782,000	0.407	0.55	1,618,000	0.884	0.60	1,000,000	0.600	0.61	960,000	0.586	-	-	-	0.61	960,000	0.586
Subtotal: Recurring Cost	-	-	10.390	-	-	2.292	-	-	2.472	-	-	3.429	-	-	-	-	-	3.429
Subtotal: Hardware - (AH100) 9MM CARTRIDGES Cost	-	-	10.390	-	-	2.292	-	-	2.472	-	-	3.429	-	-	-	-	-	3.429
Hardware - (AH100) GRENADES Cost																		
Recurring Cost																		
10.1.1) FUZE, DELAY M228 (G878) ^(†)	5.39	25,586	0.138	-	-	-	5.24	2,100	0.011	-	-	-	-	-	-	-	-	-
10.1.2) GREN, LAUNCHER, SMK, IR SCREEN (G826) ^(†)	-	-	0.001	786.48	281	0.221	-	-	-	316.71	4,992	1.581	-	-	-	316.71	4,992	1.581
10.1.3) GRENADE, HND, SMK, GREEN (G940) ^(†)	37.82	10,048	0.380	-	-	-	48.00	5,000	0.240	-	-	-	-	-	-	-	-	-
10.1.4) GRENADE, HND, SMK, VIOLET (G955)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Navy													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems					
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)
10.1.5) GRENADE, LAUNCHER, SMK, M82 (G978) ^(†)	-	-	0.000	-	-	-	259.20	5,000	1.296	-	-	-	-	-	-	-	-	-
10.1.6) GRENADE, HND, SMK, YELLOW (G945) ^(†)	39.60	4,646	0.184	-	-	-	51.43	5,600	0.288	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.704	-	-	0.221	-	-	1.835	-	-	1.581	-	-	-	-	-	1.581
Subtotal: Hardware - (AH100) GRENADES Cost	-	-	0.704	-	-	0.221	-	-	1.835	-	-	1.581	-	-	-	-	-	1.581
Hardware - (AH100) MINES Cost																		
Recurring Cost																		
11.1.1) MINE, AP, M18A1/T48E3 W/ ACCESSORIES (K143)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11.1.2) MINE AP M18A1WITH SHOCK TUBE (J007) ^(†)	198.92	5,394	1.073	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11.1.3) RIOT CNTRL, CS (K765) ^(†)	0.46	6,500	0.003	-	-	-	0.40	10,000	0.004	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	1.077	-	-	-	-	-	0.004	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (AH100) MINES Cost	-	-	1.077	-	-	-	-	-	0.004	-	-	-	-	-	-	-	-	-
Hardware - (AH100) SHOTGUN CARTRIDGES Cost																		
Recurring Cost																		
12.1.1) CTG., 12 GA, RUBBER, FIN STAB (AA51) ^(†)	3.86	15,040	0.058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12.1.2) CTG, 12 GA NO.9 (A017)	0.24	103,000	0.025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12.1.3) CTG, 12 GA NO. 00 (A011) ^(†)	-	-	0.000	0.56	537,920	0.302	0.52	700,000	0.364	0.52	752,640	0.391	-	-	-	0.52	752,640	0.391
12.1.4) CTG, 12 GA, FRANGIBLE (AA86) ^(†)	-	-	0.000	-	-	-	-	-	-	0.65	998,400	0.649	-	-	-	0.65	998,400	0.649
12.1.5) CTG, 12 GA WARNING MUNITION (LA51)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12.1.6) CTG, 12 GA WARNING MUNITION (LA52)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Navy													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems					
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)
12.1.7) (AA55) CTG, 12 GA DUMMY AMMUNITION (AA55)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.086	-	-	0.302	-	-	0.364	-	-	1.040	-	-	-	-	-	1.040
Subtotal: Hardware - (AH100) SHOTGUN CARTRIDGES Cost	-	-	0.086	-	-	0.302	-	-	0.364	-	-	1.040	-	-	-	-	-	1.040
Hardware - (AH350) MATCH AMMO Cost																		
Recurring Cost																		
13.1.1) CTG, .22 CAL, BALL, LR, MATCH (A091) ^(†)	0.13	2,215,000	0.288	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13.1.2) CTG, 5.56MM, SPECIAL BALL, MK 262 MOD 1 (AA53)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13.1.3) CTG., 45 CAL, BALL, M1911, M (A483) ^(†)	0.28	112,000	0.031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13.1.4) CTG., 28 GAGE SKEET LOAD, PLASTIC CASE 2 DRAMS (A057)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13.1.5) CTG., 20 GAGE SHOTGUN, SKEET LOAD 2 1/2 DRAMS POWDER (A046)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13.1.6) 12 GA CARTRIDGE SKEET DRAM PAPER (LL0003348)	3.46	1,444	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13.1.7) (A052) 410 GA SHOTGUN SKEET AMMO (A052)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (AH350) MATCH AMMO Cost	-	-	0.328	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (AHG86) OVERSEAS CONTINGENCY OPERATIONS (OCO) Cost																		
Non Recurring Cost																		
14.1.1) OVERSEAS CONTINGENCY OPERATIONS (OCO)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems						
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: Non Recurring Cost	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (AHG86) OVERSEAS CONTINGENCY OPERATIONS (OCO) Cost	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (AH850) PRODUCT IMPROVEMENT Cost																		
Recurring Cost																		
15.1.1) PRODUCT IMPROVEMENT	-	-	0.000	-	-	-	-	-	0.150	-	-	1.127	-	-	-	-	-	1.127
Subtotal: Recurring Cost	-	-	0.000	-	-	-	-	-	0.150	-	-	1.127	-	-	-	-	-	1.127
Subtotal: Hardware - (AH850) PRODUCT IMPROVEMENT Cost	-	-	0.000	-	-	-	-	-	0.150	-	-	1.127	-	-	-	-	-	1.127
Hardware - (AH893) RENOVATION COMPONENTS Cost																		
Recurring Cost																		
16.1.1) RENOVATION COMPONENTS	-	-	0.412	-	-	1.105	-	-	0.400	-	-	0.730	-	-	-	-	-	0.730
Subtotal: Recurring Cost	-	-	0.412	-	-	1.105	-	-	0.400	-	-	0.730	-	-	-	-	-	0.730
Subtotal: Hardware - (AH893) RENOVATION COMPONENTS Cost	-	-	0.412	-	-	1.105	-	-	0.400	-	-	0.730	-	-	-	-	-	0.730
Hardware - (AH894) GAUGE REQUIREMENTS Cost																		
Recurring Cost																		
17.1.1) GAUGE REQUIREMENTS	-	-	0.000	-	-	0.019	-	-	-	-	-	0.020	-	-	-	-	-	0.020
Subtotal: Recurring Cost	-	-	0.000	-	-	0.019	-	-	-	-	-	0.020	-	-	-	-	-	0.020
Subtotal: Hardware - (AH894) GAUGE REQUIREMENTS Cost	-	-	0.000	-	-	0.019	-	-	-	-	-	0.020	-	-	-	-	-	0.020
Hardware - (AH895) NON-STANDARD Cost																		
Recurring Cost																		
18.1.1) NON-STANDARD	-	-	0.000	-	-	0.150	-	-	0.060	-	-	-	-	-	-	-	-	-
18.1.2) NON-STANDARD (NCIS)	-	-	0.000	-	-	-	-	-	-	-	-	0.300	-	-	-	-	-	0.300
Subtotal: Recurring Cost	-	-	0.000	-	-	0.150	-	-	0.060	-	-	0.300	-	-	-	-	-	0.300
Subtotal: Hardware - (AH895) NON-STANDARD Cost	-	-	0.000	-	-	0.150	-	-	0.060	-	-	0.300	-	-	-	-	-	0.300

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Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo							Item Number / Title [DODIC]: 1 / Integrated Warfare Systems					
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)
Support - (AH830) PRODUCTION ENGINEERING Cost																		
19.1) PRODUCTION ENGINEERING	-	-	9.832	-	-	2.175	-	-	1.465	-	-	2.464	-	-	-	-	-	2.464
Subtotal: Support - (AH830) PRODUCTION ENGINEERING Cost	-	-	9.832	-	-	2.175	-	-	1.465	-	-	2.464	-	-	-	-	-	2.464
Gross/Weapon System Cost	-	-	148.304	-	-	43.353	-	-	34.821	-	-	33.866	-	-	2.007	-	-	35.873

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo				Item Number / Title [DODIC]: 1 / Integrated Warfare Systems				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.1.1) CARTRIDGE, MK 308 MOD 0, .40 (DWGW)		2012	FEDERAL CARTRIDGE / MINNESOTA.	C / FFP	NSWC CRANE	Sep 2013	Feb 2014	85,800	0.30	Y		Aug 2012
3.1.1) CARTRIDGE, MK 308 MOD 0, .40 (DWGW)		2013	FEDERAL CARTRIDGE / MINNESOTA..	C / FFP	NSWC CRANE	Sep 2013	May 2014	848,900	0.30	Y		Aug 2012
3.1.1) CARTRIDGE, MK 308 MOD 0, .40 (DWGW)		2014	FEDERAL CARTRIDGE / MINNESOTA	C / FFP	NSWC CRANE	May 2014	Sep 2014	344,500	0.30	Y		Aug 2012
3.1.1) CARTRIDGE, MK 308 MOD 0, .40 (DWGW)		2015	FEDERAL CARTRIDGE / MINNESOTA...	C / FFP	NSWC CRANE	Feb 2015	Mar 2016	400,000	0.32	Y		Aug 2012
3.1.1) CARTRIDGE, MK 308 MOD 0, .40 (DWGW)		2016	FEDERAL CARTRIDGE / MINNESOTA...	C / FFP	NSWC CRANE	Mar 2016	Apr 2017	280,800	0.32	Y		Aug 2012
3.1.2) CTG .40 CALS&W (DWGX)		2014	FEDERAL CARTRIDGE / MINNESOTA	C / FFP	NSWC CRANE	May 2014	Sep 2014	79,300	0.28	Y		Aug 2012
3.1.2) CTG .40 CALS&W (DWGX)		2015	FEDERAL CARTRIDGE / MINNESOTA	C / FFP	NSWC CRANE	Mar 2015	Sep 2016	100,000	0.30	Y		Aug 2012
3.1.2) CTG .40 CALS&W (DWGX)		2016	FEDERAL CARTRIDGE / MINNESOTA.	C / FFP	NSWC CRANE	Mar 2016	Apr 2017	140,400	0.30	Y		Aug 2012
4.1.2) .50 CAL BLANK (A598)		2013	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Apr 2013	Sep 2014	674,800	1.19	Y		Oct 2011
4.1.2) .50 CAL BLANK (A598)		2014	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Jun 2014	Jan 2016	171,200	1.15	Y		Oct 2011
4.1.2) .50 CAL BLANK (A598)		2015	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2015	250,000	1.21	Y		Oct 2011
4.1.2) .50 CAL BLANK (A598)		2016	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2016	Sep 2016	201,600	1.20	Y		Oct 2011
4.1.3) CTG, .50 LINKED (A576)		2012	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Apr 2013	Jun 2013	914,800	2.76	Y		Oct 2011
4.1.3) CTG, .50 LINKED (A576)		2013	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Apr 2013	Jul 2014	1,126,000	1.91	Y		Oct 2011
4.1.3) CTG, .50 LINKED (A576)		2015	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Apr 2015	Nov 2015	975,830	1.99	Y		Oct 2011
4.1.3) CTG, .50 LINKED (A576)		2016	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2016	998,400	1.99	Y		Oct 2015
4.1.5) CTG, 50 CAL, MK 211, APIT, M (AA06)		2010	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2010	Feb 2011	617,600	9.69	Y		Oct 2009
4.1.7) CTG, 50 CAL, LKD, BALL (A555) ^(†)		2013	OLIN CORP / ILLINOIS	C / FFP	JMC ROCK ISLAND	Aug 2013	May 2014	1,489,800	2.27	Y		Oct 2012
4.1.7) CTG, 50 CAL, LKD, BALL (A555) ^(†)		2014	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Jun 2014	Mar 2015	5,330,000	1.80	Y		Oct 2011
4.1.7) CTG, 50 CAL, LKD, BALL (A555) ^(†)		2015	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2015	1,384,000	1.79	Y		Oct 2011
4.1.7) CTG, 50 CAL, LKD, BALL (A555) ^(†)		2016	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2016	945,600	1.79	N	Aug 2015	Oct 2015
4.1.8) CTG, 50 CAL, LKD & TRACER (A557) ^(†)		2013	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Apr 2013	Aug 2014	7,083,000	1.78	Y		Oct 2011
4.1.8) CTG, 50 CAL, LKD & TRACER (A557) ^(†)	✓	2013	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Jun 2014	Jan 2016	154,400	1.74	Y		Oct 2011

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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.1.8) CTG, 50 CAL, LKD & TRACER (A557) ^(†)		2014	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Jun 2014	Dec 2015	7,811,200	1.75	Y		Oct 2011
4.1.8) CTG, 50 CAL, LKD & TRACER (A557) ^(†)	✓	2014	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Jun 2014	Dec 2015	977,200	1.75	Y		Oct 2011
4.1.8) CTG, 50 CAL, LKD & TRACER (A557) ^(†)		2015	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2016	5,616,000	1.84	Y		Oct 2011
4.1.8) CTG, 50 CAL, LKD & TRACER (A557) ^(†)	✓	2015	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2016	278,400	1.84	Y		Oct 2011
4.1.8) CTG, 50 CAL, LKD & TRACER (A557) ^(†)		2016	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2017	3,897,600	1.83	N	Aug 2015	Oct 2015
4.1.8) CTG, 50 CAL, LKD & TRACER (A557) ^(†)	✓	2016	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2017	547,200	1.83	N	Aug 2015	Oct 2015
5.1.1) CTG, CAL 5.56MM, FRANGIBLE (AA40)		2012	FEDERAL CARTRIDGE. / MINNESOTA	C / FFP	NSWC CRANE	Aug 2012	Dec 2014	6,585,600	0.39	Y		Mar 2011
5.1.1) CTG, CAL 5.56MM, FRANGIBLE (AA40)	✓	2012	FEDERAL CARTRIDGE. / MINNESOTA	C / FFP	NSWC CRANE	Aug 2012	Sep 2014	4,502,400	0.39	Y		Mar 2011
5.1.1) CTG, CAL 5.56MM, FRANGIBLE (AA40)		2013	FEDERAL CARTRIDGE / MINNESOTA.	C / FFP	NSWC CRANE	Aug 2013	Aug 2016	3,894,240	0.39	Y		Mar 2011
5.1.1) CTG, CAL 5.56MM, FRANGIBLE (AA40)		2014	FEDERAL CARTRIDGE. / MINNESOTA	C / FFP	NSWC CRANE	Jun 2014	Oct 2016	803,040	0.40	Y		Mar 2011
5.1.1) CTG, CAL 5.56MM, FRANGIBLE (AA40)		2015	TBD / TBD	C / FFP	NSWC CRANE	Mar 2015	Jan 2017	2,439,000	0.41	Y		Mar 2011
5.1.3) CTG, 5.56MM M855 (A059)	✓	2013	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Jun 2014	Nov 2015	645,120	0.22	Y		Oct 2011
5.1.3) CTG, 5.56MM M855 (A059)		2014	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2014	Aug 2015	13,211,520	0.22	Y		Oct 2011
5.1.3) CTG, 5.56MM M855 (A059)		2015	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2016	10,579,200	0.23	Y		Oct 2011
5.1.3) CTG, 5.56MM M855 (A059)	✓	2015	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2016	4,515,840	0.23	Y		Oct 2011
5.1.3) CTG, 5.56MM M855 (A059)		2016	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2017	9,999,360	0.24	Y		Oct 2011
5.1.3) CTG, 5.56MM M855 (A059)	✓	2016	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2017	2,096,640	0.24	Y		Oct 2011
5.1.5) CTG, 5.56MM, SRTR AMMO (AA68)		2014	JMC ROCK ISLAND / ROCK ISLAND, IL	MIPR	JMC ROCK ISLAND	Jan 2014	Jan 2014	511,680	0.47	Y		Oct 2013
5.1.6) (AB09) CTG, 5.56MM, M1042 UTM, Blue (AB09)		2014	ULTIMATE TRAINING MUNITIONS / CANADA	SS / IDIQ	JMC ROCK ISLAND	May 2014	Oct 2014	680,400	0.64	Y		Oct 2013
5.1.6) (AB09) CTG, 5.56MM, M1042 UTM, Blue (AB09)		2015	ULTIMATE TRAINING MUNITIONS / CANADA	SS / IDIQ	JMC ROCK ISLAND	Mar 2015	Sep 2015	150,000	0.68	Y		Oct 2013
5.1.7) (AB10) 5.56MM, M1042 UTM, Red (AB10)		2014	ULTIMATE TRAINING MUNITIONS / CANADA	SS / IDIQ	JMC ROCK ISLAND	May 2014	Oct 2014	626,400	0.64	Y		Oct 2013

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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
5.1.7) (AB10) 5.56MM, M1042 UTM, Red (AB10)		2015	ULTIMATE TRAINING MUNITIONS / CANADA.	SS / IDIQ	JMC ROCK ISLAND	Mar 2015	Sep 2015	100,000	0.68	Y		Oct 2013
5.1.8) CTG, 5.56MM, SRTR AMMO (AB67)		2015	GDOTS CANADA / CANADA	C / FFP	ACC-PICATINNY, NJ	Dec 2014	Oct 2015	1,000,000	1.00	Y		Oct 2012
6.1.1) CTG, 7.62MM (A257)		2013	ATK LAKE CITY / LAKE CITY.	C / FFP	JMC ROCK ISLAND	Sep 2013	Aug 2014	519,000	0.45	Y		Oct 2011
6.1.1) CTG, 7.62MM (A257)		2014	ATK LAKE CITY / LAKE CITY.	C / FFP	JMC ROCK ISLAND	Jun 2014	Feb 2016	928,500	0.47	Y		Oct 2013
6.1.1) CTG, 7.62MM (A257)		2015	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2016	350,000	0.49	Y		Oct 2013
6.1.1) CTG, 7.62MM (A257)		2016	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2017	360,000	0.48	Y		Oct 2013
6.1.2) CARTR, 7.62MM (AA11)		2013	ATK LAKE CITY / LAKE CITY.	C / FFP	JMC ROCK ISLAND	Sep 2013	Jul 2014	198,720	0.57	Y		Oct 2011
6.1.2) CARTR, 7.62MM (AA11)		2016	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2016	Jan 2017	132,480	1.21	Y		Oct 2011
6.1.6) CTG., 7.62MM (AA04)		2012	NAMMO VANASVERKEN / KARLSBORG, SWEDEN	C / FFP	JMC ROCK ISLAND	Mar 2012	Jul 2014	298,400	2.37	Y		Oct 2011
6.1.9) CTG, 7.62MM, LKD, BALL AND TR (A131)		2013	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2013	Feb 2014	8,100,800	0.52	Y		Oct 2011
6.1.9) CTG, 7.62MM, LKD, BALL AND TR (A131)	✓	2013	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2014	Aug 2015	967,200	0.52	Y		Oct 2011
6.1.9) CTG, 7.62MM, LKD, BALL AND TR (A131)		2014	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Sep 2014	Apr 2016	2,380,000	0.51	Y		Oct 2013
6.1.9) CTG, 7.62MM, LKD, BALL AND TR (A131)	✓	2014	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Jun 2014	Jan 2016	1,648,000	0.51	Y		Oct 2013
6.1.9) CTG, 7.62MM, LKD, BALL AND TR (A131)		2015	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2016	2,000,000	0.55	Y		Oct 2013
6.1.9) CTG, 7.62MM, LKD, BALL AND TR (A131)		2016	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2017	6,496,000	0.55	Y		Oct 2013
6.1.10) CTG, 7.62MM, BALL, M80, LKD (A143)		2014	ATK LAKE CITY. / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2014	Sep 2015	1,732,000	0.49	Y		Oct 2013
6.1.10) CTG, 7.62MM, BALL, M80, LKD (A143)		2015	ATK LAKE CITY / LAKE CITY.	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2016	1,500,000	0.53	Y		Oct 2013
6.1.10) CTG, 7.62MM, BALL, M80, LKD (A143)		2016	ATK LAKE CITY / LAKE CITY.	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2017	992,000	0.53	Y		Oct 2013
6.1.11) CTG, 7.62MM, LKD (A165)	✓	2013	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2014	Jul 2015	2,041,500	0.47	Y		Oct 2011
6.1.11) CTG, 7.62MM, LKD (A165)		2014	ATK LAKE CITY. / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2014	Sep 2015	2,182,500	0.48	Y		Oct 2011
6.1.11) CTG, 7.62MM, LKD (A165)	✓	2014	ATK LAKE CITY. / LAKE CITY	C / FFP	JMC ROCK ISLAND	Jun 2014	Feb 2016	1,819,500	0.47	Y		Oct 2011
6.1.11) CTG, 7.62MM, LKD (A165)		2015	ATK LAKE CITY .. / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2016	2,777,600	0.49	Y		Oct 2011
6.1.11) CTG, 7.62MM, LKD (A165)	✓	2015	ATK LAKE CITY .. / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2016	1,044,000	0.49	Y		Oct 2011
6.1.11) CTG, 7.62MM, LKD (A165)		2016	ATK LAKE CITY .. / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2017	2,952,000	0.48	Y		Oct 2011
6.1.11) CTG, 7.62MM, LKD (A165)	✓	2016	ATK LAKE CITY .. / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2017	1,044,000	0.48	Y		Oct 2011

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo				Item Number / Title [DODIC]: 1 / Integrated Warfare Systems				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
6.1.14) (AA37) CTG, 7.62MM SHORT RANGE TRAINING AMMO (AA37)		2014	GDOTS CANADA / CANADA	C / FFP	JMC ROCK ISLAND	Aug 2014	Dec 2014	97,200	1.83	Y		Oct 2013
6.1.14) (AA37) CTG, 7.62MM SHORT RANGE TRAINING AMMO (AA37)		2016	GDOTS CANADA / CANADA	C / FFP	JMC ROCK ISLAND	Mar 2016	Feb 2017	230,400	0.89	Y		Oct 2013
7.1.1) CTG, .38 BLANK (A403)		2013	OLIN CORPORATION / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2013	Apr 2014	22,000	0.23	Y		Jun 2012
7.1.1) CTG, .38 BLANK (A403)		2014	OLIN CORPORATION / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2014	Apr 2014	10,000	0.23	Y		Jun 2012
7.1.1) CTG, .38 BLANK (A403)		2015	OLIN CORP / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2015	Jul 2016	10,400	0.29	Y		Jun 2012
7.1.1) CTG, .38 BLANK (A403)		2016	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2016	Jul 2017	10,000	0.30	N	Aug 2015	Oct 2015
8.1.1) CTG, .45 CAL BALL (A475)		2013	OLIN CORPORATION / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2013	Oct 2014	276,000	0.25	Y		Jun 2012
8.1.1) CTG, .45 CAL BALL (A475)		2014	OLIN CORPORATION / ILLINOIS.	C / FFP	JMC ROCK ISLAND	Jul 2014	Oct 2015	100,000	0.29	Y		Oct 2013
9.1.1) CTG, 9MM, BALL (A363)		2014	OLIN CORPORATION / ILLINOIS	C / FFP	JMC ROCK ISLAND	Jun 2014	Sep 2015	8,430,000	0.17	Y		Oct 2013
9.1.1) CTG, 9MM, BALL (A363)		2015	OLIN CORPORATION / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2016	4,875,000	0.16	Y		Oct 2013
9.1.1) CTG, 9MM, BALL (A363)	✓	2015	OLIN CORPORATION / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2016	3,072,000	0.16	Y		Oct 2013
9.1.1) CTG, 9MM, BALL (A363)		2016	OLIN CORPORATION / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2017	12,000,000	0.16	N	Aug 2015	Oct 2015
9.1.3) CTG, 9MM, FRANGIBLE (AA16)		2016	TBD / TBD	C / FFP	TBD	Mar 2016	Apr 2017	2,976,000	0.31	N	Aug 2015	Oct 2015
9.1.7) (AB13) CTG, 9MM, FX, MARKING, RED (AB13)		2015	ULTIMATE TRAINING MUNITIONS / CANADA	C / FFP	ACC-PICATINNY, NJ	Mar 2015	Sep 2016	1,000,000	0.60	Y		Oct 2012
9.1.8) (AB14) CTG, 9MM, FX, MARKING, BLUE (AB14)		2014	ULTIMATE TRAINING MUNITIONS / CANADA	C / FFP	ACC-PICATINNY, NJ	Mar 2014	Sep 2014	1,618,000	0.55	Y		Oct 2012
9.1.8) (AB14) CTG, 9MM, FX, MARKING, BLUE (AB14)		2015	ULTIMATE TRAINING MUNITIONS / CANADA	C / FFP	ACC-PICATINNY, NJ	Mar 2015	Sep 2016	1,000,000	0.60	Y		Oct 2012
9.1.8) (AB14) CTG, 9MM, FX, MARKING, BLUE (AB14)		2016	TBD / TBD	C / FFP	ACC-PICATINNY, NJ	Mar 2016	Sep 2017	960,000	0.61	N	Aug 2015	Oct 2015
10.1.1) FUZE, DELAY M228 (G878)		2015	TBD / TBD	C / FFP	JMC ROCK ISLAND	May 2015	Nov 2016	2,100	5.24	Y		Jun 2011
10.1.2) GREN, LAUNCHER, SMK, IR SCREEN (G826)		2014	RHEINMETALL / GERMANY	SS / FFP	NSWC CRANE	May 2014	Mar 2015	281	786.48	Y		Dec 2013
10.1.2) GREN, LAUNCHER, SMK, IR SCREEN (G826)		2016	TBD / TBD	C / TBD	NSWC CRANE	Mar 2016	Sep 2016	4,992	316.71	N	Aug 2015	Oct 2015
10.1.3) GRENADE, HND, SMK, GREEN (G940)		2012	PINE BLUFF ARSENAL / PINE BLUFF, AR	MIPR	JMC ROCK ISLAND	Mar 2012	Nov 2014	10,048	37.74	Y		Oct 2011
10.1.3) GRENADE, HND, SMK, GREEN (G940)		2015	RHEINMETALL / GERMANY	SS / FFP	MARINE CORP QUANTICO	May 2015	Apr 2017	5,000	48.00	Y		Oct 2013
10.1.5) GRENADE, LAUNCHER, SMK, M82 (G978)		2015	TBD / TBD	MIPR	JMC ROCK ISLAND	Apr 2015	Jun 2017	5,000	259.20	Y		Jun 2012

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1			P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
10.1.6) GRENADE, HND, SMK, YELLOW (G945)		2015	RHEINMETALL / GERMANY	SS / FFP	MARINE CORP QUANTICO	May 2015	Apr 2017	5,600	51.43	Y		Oct 2012
11.1.2) MINE AP M18A1WITH SHOCK TUBE (J007)		2012	SPECTRA TECHNOLOGIES / CAMDEN, AK	C / FFP	JMC ROCK ISLAND	Mar 2012	Jan 2014	1,620	184.53	Y		Mar 2010
11.1.2) MINE AP M18A1WITH SHOCK TUBE (J007)		2013	SPECTRA TECHNOLOGIES / CAMDEN, AK	C / FFP	JMC ROCK ISLAND	Apr 2013	Jun 2015	3,774	205.04	Y		Mar 2010
11.1.3) RIOT CNTRL, CS (K765)		2015	JMC ROCK ISLAND / ROCK ISLAND, IL	C / FFP	JMC ROCK ISLAND	May 2015	Jan 2017	10,000	0.40	Y		Oct 2014
12.1.1) CTG., 12 GA, RUBBER, FIN STAB (AA51)		2012	SAFARILAND / CASPER, WY	C / FFP	ACC-PICATINNY, NJ	May 2013	Jul 2014	15,040	1.87	Y		May 2012
12.1.3) CTG, 12 GA NO. 00 (A011)		2014	OLIN CORP / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2014	Jul 2014	537,920	0.56	Y		Oct 2013
12.1.3) CTG, 12 GA NO. 00 (A011)		2015	OLIN CORP / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2015	Apr 2016	700,000	0.52	Y		Oct 2013
12.1.3) CTG, 12 GA NO. 00 (A011)		2016	OLIN CORP / ILLINOIS.	C / FFP	JMC ROCK ISLAND	Mar 2016	Apr 2017	752,640	0.52	Y		Oct 2013
12.1.4) CTG, 12 GA, FRANGIBLE (AA86)		2016	TBD / TBD	C / FFP	NSWC Indian Head	Mar 2016	Apr 2017	998,400	0.65	N	Jan 2015	Mar 2015
13.1.1) CTG, .22 CAL, BALL, LR, MATCH (A091)		2013	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Sep 2013	Aug 2014	2,215,000	0.13	Y		Jan 2012
13.1.3) CTG., 45 CAL, BALL, M1911, M (A483)		2013	OLIN CORP / ILLINOIS	C / FFP	JMC ROCK ISLAND	Jul 2013	Oct 2014	112,000	0.28	Y		Jun 2012

(†) 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: 1508N / 01 / 1										P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo										Item Number / Title [DODIC]: 1 / Integrated Warfare Systems												
Cost Elements <i>(Units in Millions (* = < 500 units))</i>							Fiscal Year 2010										Fiscal Year 2011															
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2009	BAL DUE AS OF 1 OCT	Calendar Year 2010										Calendar Year 2011										B A L					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P	
4.1.7) CTG, 50 CAL, LKD, BALL (A555)																																
Prior Years Deliveries: 2079000																																
	4	2013	NAVY	1.490	-	1.490																									1.490	
	3	2014	NAVY	5.330	-	5.330																									5.330	
	2	2015	NAVY	1.384	-	1.384																									1.384	
	1	2016	NAVY	.946	-	.946																									.946	
4.1.8) CTG, 50 CAL, LKD & TRACER (A557)																																
Prior Years Deliveries: 2709000																																
	5	2013	NAVY	7.083	-	7.083																									7.083	
✓	5	2013	NAVY	.154	-	.154																									.154	
	7	2014	NAVY	7.811	-	7.811																									7.811	
✓	7	2014	NAVY	.977	-	.977																									.977	
	6	2015	NAVY	5.616	-	5.616																									5.616	
✓	6	2015	NAVY	.278	-	.278																									.278	
	6	2016	NAVY	3.898	-	3.898																									3.898	
✓	6	2016	NAVY	.547	-	.547																									.547	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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LI 0335 - Small Arms & Lndg Party Ammo
Navy

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo													Item Number / Title [DODIC]: 1 / Integrated Warfare Systems										
Cost Elements (Units in Millions (* = < 500 units))							Fiscal Year 2014													Fiscal Year 2015													
O C O	M F R #	FY	SERVICE	PROC QTY	ACCE PT PRI OR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	Calendar Year 2014													Calendar Year 2015													B A L
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
4.1.7) CTG, 50 CAL, LKD, BALL (A555)																																	
Prior Years Deliveries: 2079000																																	
	4	2013	NAVY	1.490	-	1.490	-	-	-	-	-	-	-	.500	.500	.476	.013															-	
	3	2014	NAVY	5.330	-	5.330									A -	-	-	-	-	-	-	-	-	-	1.000	1.000	1.000	1.000	1.000	.330		-	
	2	2015	NAVY	1.384	-	1.384																		A -	-	-	-	-	-	-	-	1.384	
	1	2016	NAVY	.946	-	.946																										.946	
4.1.8) CTG, 50 CAL, LKD & TRACER (A557)																																	
Prior Years Deliveries: 2709000																																	
	5	2013	NAVY	7.083	-	7.083	-	-	-	-	-	-	-	-	-	-	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.083							-		
✓	5	2013	NAVY	.154	-	.154									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.154	
	7	2014	NAVY	7.811	-	7.811									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.811	
✓	7	2014	NAVY	.977	-	.977									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.977	
	6	2015	NAVY	5.616	-	5.616																			A -	-	-	-	-	-	-	-	5.616
✓	6	2015	NAVY	.278	-	.278																			A -	-	-	-	-	-	-	-	.278
	6	2016	NAVY	3.898	-	3.898																											3.898
✓	6	2016	NAVY	.547	-	.547																											.547
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Navy																			Date: February 2015															
Appropriation / Budget Activity / Budget Sub Activity:										P-1 Line Item Number / Title:										Item Number / Title [DODIC]:														
1508N / 01 / 1										0335 / Small Arms & Lndg Party Ammo										1 / Integrated Warfare Systems														
Cost Elements (Units in Millions (* = < 500 units))							Fiscal Year 2016												Fiscal Year 2017															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T O 1 O C T 2015	BAL DUE AS O F 1 O C T	Calendar Year 2016												Calendar Year 2017												B A L			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
4.1.7) CTG, 50 CAL, LKD, BALL (A555)																																		
Prior Years Deliveries: 2079000																																		
	4	2013	NAVY	1.490	1.490	-																												-
	3	2014	NAVY	5.330	5.330	-																												-
	2	2015	NAVY	1.384	-	1.384	.500	.550	.334																									-
	1	2016	NAVY	.946	-	.946						A -	-	-	-	-	-	.946																-
4.1.8) CTG, 50 CAL, LKD & TRACER (A557)																																		
Prior Years Deliveries: 2709000																																		
	5	2013	NAVY	7.083	7.083	-																												-
✓	5	2013	NAVY	.154	-	.154	-	-	-	.154																								-
	7	2014	NAVY	7.811	-	7.811	-	-	1.000	1.000	1.000	1.365	1.600	1.425	.421																			-
✓	7	2014	NAVY	.977	-	.977	-	-	.500	.477																								-
	6	2015	NAVY	5.616	-	5.616	-	-	-	-	-	-	-	-	-	-	-	1.000	1.000	1.000	1.000	.860	.756								-			
✓	6	2015	NAVY	.278	-	.278	-	-	-	-	-	-	-	-	-	-	.278																	-
	6	2016	NAVY	3.898	-	3.898						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.898			
✓	6	2016	NAVY	.547	-	.547						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.547				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L			

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Exhibit P-21, Production Schedule: PB 2016 Navy																				Date: February 2015																		
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo										Item Number / Title [DODIC]: 1 / Integrated Warfare Systems																		
Cost Elements <i>(Units in Millions (* = < 500 units))</i>							Fiscal Year 2018										Fiscal Year 2019																					
							Calendar Year 2018										Calendar Year 2019																					
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							
4.1.7) CTG, 50 CAL, LKD, BALL (A555)																																						
Prior Years Deliveries: 2079000																																						
	4	2013	NAVY		1.490	1.490	-																														-	
	3	2014	NAVY		5.330	5.330	-																														-	
	2	2015	NAVY		1.384	1.384	-																														-	
	1	2016	NAVY		.946	.946	-																														-	
4.1.8) CTG, 50 CAL, LKD & TRACER (A557)																																						
Prior Years Deliveries: 2709000																																						
	5	2013	NAVY		7.083	7.083	-																														-	
✓	5	2013	NAVY		.154	.154	-																														-	
	7	2014	NAVY		7.811	7.811	-																														-	
✓	7	2014	NAVY		.977	.977	-																														-	
	6	2015	NAVY		5.616	5.616	-																														-	
✓	6	2015	NAVY		.278	.278	-																														-	
	6	2016	NAVY		3.898	-	3.898	1.000	1.000	1.000	.898																											-
✓	6	2016	NAVY		.547	-	.547																															-
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							

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Exhibit P-21, Production Schedule: PB 2016 Navy				Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1			P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo				Item Number / Title [DODIC]: 1 / Integrated Warfare Systems

MFR Ref #		Production Rates (Each / Year)			Procurement Leadtime (Months)							
		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	TBD - TBD	-	6,000	10,000,000	4	4	7	11	4	4	13	17
2	ATK LAKE CITY - LAKE CITY	-	6,000	10,000,000	4	4	7	11	4	4	10	14
3	ATK LAKE CITY - LAKE CITY	-	6,000	10,000,000	4	5	9	14	4	4	7	11
4	OLIN CORP - ILLINOIS	-	6,000	10,000,000	4	5	8	13	4	4	9	13
5	ATK LAKE CITY - LAKE CITY	-	6,000	10,000,000	4	4	19	23	4	4	16	20
6	ATK LAKE CITY - LAKE CITY	-	6,000	10,000,000	4	4	19	23	4	4	13	17
7	ATK LAKE CITY - LAKE CITY	-	6,000	10,000,000	4	4	18	22	4	4	14	18

"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: 1508N / 01 / 1							P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo						Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)								
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>				34.934			29.842			19.275			18.217			1.449			19.666		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Net Procurement (P1) <i>(\$ in Millions)</i>				34.934			29.842			19.275			18.217			1.449			19.666		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>				34.934			29.842			19.275			18.217			1.449			19.666		
(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 (\$)	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 - (AHNSW) GRENADES Cost																					
Recurring Cost																					
1.1.1) GRENADE, 66MM SMOKE SCREENING (GG24) ^(†)		-	-	0.000	235.00	2,000	0.470	-	-	-	257.40	3,000	0.772	-	-	-	257.40	3,000	0.772		
1.1.2) FUZE, DELAY M228, F/M 68 HAND GRND (G878) ^(†)		5.92	12,000	0.071	-	-	-	5.25	28,435	0.149	-	-	-	-	-	-	-	-	-		
1.1.3) GRENADE, HAND, FRAG (G881) ^(†)		36.33	6,000	0.218	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.1.5) GRENADE, HAND, SMOKE, YELLOW (G945) ^(†)		-	-	0.000	50.47	10,700	0.540	-	-	-	-	-	-	-	-	-	-	-	-		
1.1.6) GRENADE, HAND, SMOKE, RED (G950)		41.77	35,000	1.462	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: Recurring Cost		-	-	1.751	-	-	1.010	-	-	0.149	-	-	0.772	-	-	-	-	-	0.772		
Subtotal: Hardware - (AHNSW) GRENADES Cost		-	-	1.751	-	-	1.010	-	-	0.149	-	-	0.772	-	-	-	-	-	0.772		
Hardware - (AHNSW) 9MM CARTRIDGES Cost																					
Recurring Cost																					
2.1.1) CTG, 9MM, MARKING, RED, M1041 (AB14) ^(†)		-	-	0.000	-	-	-	0.61	1,000,000	0.610	0.61	967,200	0.590	-	-	-	0.61	967,200	0.590		

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Exhibit P-5, Cost Analysis: PB 2016 Navy													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo						Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)					
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)
2.1.2) CTG, 9MM MARKING, BLUE, M1041 (AB13) ^(†)	-	-	0.000	-	-	-	0.61	1,000,000	0.610	0.59	1,000,000	0.590	-	-	-	0.59	1,000,000	0.590
2.1.3) CTG, 9MM BALL (A363) ^(†)	0.19	13,090,909	2.480	0.17	21,969,118	3.735	0.16	9,002,250	1.440	0.16	4,500,000	0.720	0.16	2,493,000	0.399	0.16	6,993,000	1.119
2.1.4) CTG, 9MM REDUCED RICOCHETTE, LOW PEN (AA16) ^(†)	-	-	0.000	-	-	-	0.47	500,000	0.235	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	2.480	-	-	3.735	-	-	2.895	-	-	1.900	-	-	0.399	-	-	2.299
Subtotal: Hardware - (AHNSW) 9MM CARTRIDGES Cost	-	-	2.480	-	-	3.735	-	-	2.895	-	-	1.900	-	-	0.399	-	-	2.299
Hardware - (AHNSW) 7.62MM CARTRIDGES Cost																		
Recurring Cost																		
3.1.1) CTG, 7.62MM AP M993, DIM-TRACED (AA34) ^(†)	-	-	0.000	-	-	-	-	-	-	2.56	501,000	1.283	-	-	-	2.56	501,000	1.283
3.1.2) CTG, 7.62MM SHORT RANGE TRAINING (AA37) ^(†)	-	-	0.000	0.85	3,000,000	2.550	0.87	1,000,000	0.870	0.89	1,134,378	1.010	-	-	-	0.89	1,134,378	1.010
3.1.3) CTG, 7.62MM, M993 AP, W/M62 Std Tracer (AA36) ^(†)	-	-	0.000	2.57	180,000	0.463	-	-	-	2.56	700,500	1.793	-	-	-	2.56	700,500	1.793
3.1.4) CTG, 7.62MM BLANK, LINKED (A111) ^(†)	0.62	3,200,000	1.984	-	-	-	0.39	1,600,000	0.624	0.39	3,100,000	1.209	-	-	-	0.39	3,100,000	1.209
3.1.6) CTG, 7.62MM LINKED 9.1 DIM TRACED F/MK 44 (A257) ^(†)	0.55	5,240,555	2.867	0.89	150,000	0.134	0.49	3,122,449	1.530	-	-	-	0.48	479,160	0.230	0.48	479,160	0.230
3.1.7) CTG, 7.62MM BALL (SOST) (AB50)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.8) CTG, 7.62MM LNKD, BALL AND TRACER (A131) ^(†)	0.67	19,305,000	13.022	0.58	6,058,570	3.495	0.53	6,616,637	3.525	0.55	4,927,000	2.710	0.55	501,818	0.276	0.55	5,428,818	2.986
Subtotal: Recurring Cost	-	-	17.874	-	-	6.642	-	-	6.549	-	-	8.005	-	-	0.506	-	-	8.511
Subtotal: Hardware - (AHNSW) 7.62MM CARTRIDGES Cost	-	-	17.874	-	-	6.642	-	-	6.549	-	-	8.005	-	-	0.506	-	-	8.511
Hardware - (AHNSW) 5.56MM CARTRIDGES Cost																		

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Exhibit P-5, Cost Analysis: PB 2016 Navy													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo						Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)					
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)
Recurring Cost																		
4.1.1) CTG, 5.56MM JACKETED FRANGIBLE MK (AA40) ^(†)	-	-	0.000	0.37	1,108,000	0.410	0.41	461,631	0.189	-	-	-	-	-	-	-	-	-
4.1.2) CTG, 5.56MM BALL, CARBINE, BARRIER, MK (AB49) ^(†)	0.50	700,000	0.350	0.83	246,000	0.204	-	-	-	0.60	670,760	0.402	-	-	-	0.60	670,760	0.402
4.1.4) CTG, 5.56MM CTG BALL B855 LKD F/SAW (A062) ^(†)	-	-	0.000	0.35	320,000	0.112	0.29	400,000	0.116	-	-	-	-	-	-	-	-	-
4.1.5) CTG, 5.56MM BLANK, LDD M27 LINK (A075) ^(†)	0.45	3,300,000	1.485	-	-	-	-	-	-	0.22	1,500,800	0.330	-	-	-	0.22	1,500,800	0.330
4.1.6) CTG, 5.56MM BLANK (TRAINING ITEM) (A080) ^(†)	0.29	3,182,890	0.917	-	-	-	-	-	-	0.15	3,762,000	0.564	-	-	-	0.15	3,762,000	0.564
4.1.7) CTG, 5.56MM 77 GRAIN, MK 262 MOD 0/1, LONG (AA53) ^(†)	-	-	0.000	0.65	1,977,076	1.285	-	-	-	-	-	-	-	-	-	-	-	-
4.1.8) CTG, 5.56MM MARKING, RED (AA12)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.9) CTG, 9/5.56MM MARKING, BLUE (AA21)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.10) CTG, 5.56MM LINKED (A064) ^(†)	-	-	0.000	0.54	3,000,000	1.620	0.53	2,240,000	1.187	-	-	-	0.32	208,000	0.067	0.32	208,000	0.067
Subtotal: Recurring Cost	-	-	2.754	-	-	3.631	-	-	1.492	-	-	1.296	-	-	0.067	-	-	1.363
Subtotal: Hardware - (AHNSW) 5.56MM CARTRIDGES Cost	-	-	2.754	-	-	3.631	-	-	1.492	-	-	1.296	-	-	0.067	-	-	1.363
Hardware - (AHNSW) .50 CAL CARTRIDGES Cost																		
Recurring Cost																		
5.1.1) CTG, 50 CAL, LINKED, BALL MK 322/TRACER MK (AB64) ^(†)	-	-	0.000	4.00	200,000	0.800	4.08	600,000	2.448	4.16	400,000	1.664	-	-	-	4.16	400,000	1.664

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo						Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)						
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)
5.1.2) CTG, CAL .50 LINKED BALL (NO TRACER) (A555) ^(†)	2.49	1,503,218	3.743	-	-	-	-	-	-	1.79	862,570	1.544	-	-	-	1.79	862,570	1.544
5.1.3) CTG, CAL .50 LINKED, BALL/ TRACER (A557) ^(†)	-	-	0.000	1.83	1,215,846	2.225	-	-	-	1.83	753,551	1.379	-	-	-	1.83	753,551	1.379
5.1.4) CTG, CAL .50 APL MK 211 MIULTI PURPOSE (A606) ^(†)	-	-	0.000	-	-	-	14.55	50,160	0.730	-	-	-	-	-	-	-	-	-
5.1.5) CTG, CAL .50 LINKED, M2 APL, M8/ APK-T M20 (A576) ^(†)	1.95	1,462,564	2.852	1.97	3,918,570	7.720	1.99	1,285,930	2.559	-	-	-	1.99	239,698	0.477	1.99	239,698	0.477
5.1.6) CTG, CAL .50 LINKED, BLANK, M1A1 (A598) ^(†)	1.19	1,182,352	1.407	1.15	1,378,000	1.585	1.21	885,950	1.072	1.20	167,500	0.201	-	-	-	1.20	167,500	0.201
Subtotal: Recurring Cost	-	-	8.002	-	-	12.330	-	-	6.809	-	-	4.788	-	-	0.477	-	-	5.265
Subtotal: Hardware - (AHNSW) .50 CAL CARTRIDGES Cost	-	-	8.002	-	-	12.330	-	-	6.809	-	-	4.788	-	-	0.477	-	-	5.265
Hardware - (AHNSW) SHOTGUN CARTRIDGES Cost																		
Recurring Cost																		
6.1.1) CTG, 12 GAUGE SHOTGUN 00 BUCK (A011)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (AHNSW) SHOTGUN CARTRIDGES Cost	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (AHNSW) MATCH AMMO Cost																		
Recurring Cost																		
7.1.1) CTG, CAL .300 MATCH (A191) ^(†)	-	-	0.000	1.25	720,000	0.900	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.000	-	-	0.900	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (AHNSW) MATCH AMMO Cost	-	-	0.000	-	-	0.900	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (AHNSW) TRANSPORTATION ACCOUNT CODE (TAC) Cost																		
Recurring Cost																		
8.1.1) NSW TRANSPORTATION	-	-	0.320	-	-	0.200	-	-	0.200	-	-	0.200	-	-	-	-	-	0.200

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Exhibit P-5, Cost Analysis: PB 2016 Navy													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo							Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)					
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)
ACCOUNT CODE (TAC)																		
Subtotal: Recurring Cost	-	-	0.320	-	-	0.200	-	-	0.200	-	-	0.200	-	-	-	-	-	0.200
Subtotal: Hardware - (AHNSW) TRANSPORTATION ACCOUNT CODE (TAC) Cost	-	-	0.320	-	-	0.200	-	-	0.200	-	-	0.200	-	-	-	-	-	0.200
Support - (NS830) PRODUCTION ENGINEERING Cost																		
9.1) Production Engineering	-	-	1.752	-	-	1.394	-	-	1.181	-	-	1.256	-	-	-	-	-	1.256
Subtotal: Support - (NS830) PRODUCTION ENGINEERING Cost	-	-	1.752	-	-	1.394	-	-	1.181	-	-	1.256	-	-	-	-	-	1.256
Gross/Weapon System Cost	-	-	34.934	-	-	29.842	-	-	19.275	-	-	18.217	-	-	1.449	-	-	19.666

(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: 1508N / 01 / 1				P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo				Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) GRENADE, 66MM SMOKE SCREENING (GG24)		2014	RHEINMETALL / GERMANY	C / FFP	JMC ROCK ISLAND	Mar 2014	Sep 2015	2,000	235.00	Y		Mar 2013
1.1.1) GRENADE, 66MM SMOKE SCREENING (GG24)		2016	RHEINMETALL / GERMANY	C / FFP	JMC ROCK ISLAND	Apr 2016	Oct 2017	3,000	257.40	Y		Mar 2013
1.1.2) FUZE, DELAY M228, F/M 68 HAND GRND (G878)		2015	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2015	Sep 2016	28,435	5.25	Y		Jun 2011
1.1.3) GRENADE, HAND, FRAG (G881)		2013	DAY&ZIMMERMAN LONE STAR LLC, TEXARKANA, TX / TEXARKANA, TX	C / FFP	JMC ROCK ISLAND	Jun 2013	Dec 2014	6,000	36.41	Y		Oct 2012
1.1.5) GRENADE, HAND, SMOKE, YELLOW (G945)		2014	RHEINMETALL / GERMANY	SS / FFP	JMC ROCK ISLAND	Mar 2014	Sep 2015	10,700	50.47	Y		Oct 2012
2.1.1) CTG, 9MM, MARKING, RED, M1041 (AB14)		2015	GENERAL DYNAMICS / MONTREAL, CN	C / FFP	JMC ROCK ISLAND	Mar 2015	Sep 2015	1,000,000	0.61	Y		Oct 2012
2.1.1) CTG, 9MM, MARKING, RED, M1041 (AB14)		2016	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2016	Sep 2016	967,200	0.61	N	Aug 2015	Oct 2015
2.1.2) CTG, 9MM MARKING, BLUE, M1041 (AB13)		2015	GENERAL DYNAMICS / MONTREAL, CN	C / FFP	JMC ROCK ISLAND	Mar 2015	Mar 2015	1,000,000	0.61	Y		Oct 2012
2.1.2) CTG, 9MM MARKING, BLUE, M1041 (AB13)		2016	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2016	Mar 2016	1,000,000	0.59	N	Aug 2015	Oct 2015
2.1.3) CTG, 9MM BALL (A363)		2014	OLIN CORPORATION / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2014	Sep 2014	7,875,000	0.17	Y		Oct 2013
2.1.3) CTG, 9MM BALL (A363)	✓	2014	OLIN CORPORATION / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2014	Sep 2014	14,094,118	0.17	Y		Oct 2013
2.1.3) CTG, 9MM BALL (A363)		2015	OLIN CORPORATION / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2015	Sep 2015	9,002,250	0.16	Y		Oct 2013
2.1.3) CTG, 9MM BALL (A363)		2016	OLIN CORPORATION / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2016	Sep 2016	4,500,000	0.16	N	Aug 2015	Oct 2015
2.1.3) CTG, 9MM BALL (A363)	✓	2016	OLIN CORPORATION / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2016	Sep 2016	2,493,000	0.16	N	Aug 2015	Oct 2015
2.1.4) CTG, 9MM REDUCED RICOCHETTE, LOW PEN (AA16)		2015	OLIN CORP / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2015	Jul 2016	500,000	0.47	Y		Mar 2012
3.1.1) CTG, 7.62MM AP M993, DIM-TRACED (AA34)		2016	NAMMO VANASVERKEN / KARLSBORG, SWEDEN	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2016	501,000	2.56	Y		Mar 2013
3.1.2) CTG, 7.62MM SHORT RANGE TRAINING (AA37)		2014	GDOTS CANADA / CANADA	C / FFP	JMC ROCK ISLAND	Jun 2014	Jun 2015	3,000,000	0.85	Y		Oct 2013
3.1.2) CTG, 7.62MM SHORT RANGE TRAINING (AA37)		2015	GDOTS CANADA / CANADA	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2015	1,000,000	0.87	Y		Oct 2013
3.1.2) CTG, 7.62MM SHORT RANGE TRAINING (AA37)		2016	GDOTS CANADA / CANADA	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2016	1,134,378	0.89	Y		Oct 2013
3.1.3) CTG, 7.62MM, M993 AP, W/ M62 Std Tracer (AA36)	✓	2014	ALLIANT TECH / ATK	C / FFP	JMC ROCK ISLAND	Mar 2014	Oct 2014	180,000	2.57	Y		Mar 2012
3.1.3) CTG, 7.62MM, M993 AP, W/ M62 Std Tracer (AA36)		2016	ALLIANT TECH / ATK	C / FFP	JMC ROCK ISLAND	Apr 2016	Nov 2016	700,500	2.56	Y		Mar 2013
3.1.4) CTG, 7.62MM BLANK, LINKED (A111) ^(†)		2015	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2015	1,600,000	0.39	Y		Mar 2013

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo				Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.1.4) CTG, 7.62MM BLANK, LINKED (A111) ^(†)		2016	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	SS / FFP	JMC ROCK ISLAND	Apr 2016	Nov 2016	3,100,000	0.39	Y		Mar 2013
3.1.6) CTG, 7.62MM LINKED 9.1 DIM TRACED F/MK 44 (A257) ^(†)		2013	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Jun 2013	Jan 2014	4,135,555	0.45	Y		Oct 2012
3.1.6) CTG, 7.62MM LINKED 9.1 DIM TRACED F/MK 44 (A257)	✓	2014	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Mar 2014	Oct 2014	150,000	0.89	Y		Oct 2013
3.1.6) CTG, 7.62MM LINKED 9.1 DIM TRACED F/MK 44 (A257)		2015	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2015	3,122,449	0.49	Y		Oct 2013
3.1.6) CTG, 7.62MM LINKED 9.1 DIM TRACED F/MK 44 (A257)	✓	2016	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Mar 2016	Sep 2017	479,160	0.48	Y		Oct 2013
3.1.8) CTG, 7.62MM LNKD, BALL AND TRACER (A131)		2014	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Mar 2014	Oct 2014	5,094,000	0.51	Y		Oct 2013
3.1.8) CTG, 7.62MM LNKD, BALL AND TRACER (A131)	✓	2014	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Jun 2014	Jan 2015	964,570	0.93	Y		Oct 2013
3.1.8) CTG, 7.62MM LNKD, BALL AND TRACER (A131)		2015	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2015	5,707,547	0.53	Y		Oct 2013
3.1.8) CTG, 7.62MM LNKD, BALL AND TRACER (A131)	✓	2015	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2015	909,090	0.55	Y		Oct 2013
3.1.8) CTG, 7.62MM LNKD, BALL AND TRACER (A131)		2016	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2016	4,927,000	0.55	Y		Oct 2013
3.1.8) CTG, 7.62MM LNKD, BALL AND TRACER (A131)	✓	2016	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Oct 2015	May 2016	501,818	0.55	Y		Oct 2013
4.1.1) CTG, 5.56MM JACKETED FRANGIBLE MK (AA40)		2014	FEDERAL CARTRIDGE / MINNESOTA	C / FFP	NSWC CRANE	Mar 2014	Feb 2015	1,108,000	0.37	Y		Mar 2011
4.1.1) CTG, 5.56MM JACKETED FRANGIBLE MK (AA40)		2015	FEDERAL CARTRIDGE / MINNESOTA	C / FFP	NSWC CRANE	Mar 2015	Feb 2016	461,631	0.41	Y		Mar 2011
4.1.2) CTG, 5.56MM BALL, CARBINE, BARRIER, MK (AB49)		2012	ATK LAKE CITY / LAKE CITY	C / FFP	NSWC CRANE	Jun 2013	Dec 2014	700,000	0.50	Y		Oct 2012
4.1.2) CTG, 5.56MM BALL, CARBINE, BARRIER, MK (AB49)		2014	ATK LAKE CITY / LAKE CITY	C / FFP	NSWC CRANE	Mar 2014	Sep 2015	246,000	0.83	Y		Oct 2012
4.1.2) CTG, 5.56MM BALL, CARBINE, BARRIER, MK (AB49)		2016	ATK LAKE CITY / LAKE CITY	C / FFP	NSWC CRANE	Mar 2016	Sep 2017	670,760	0.60	Y		Oct 2013
4.1.4) CTG, 5.56MM CTG BALL B855 LKD F/SAW (A062)		2014	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2014	Aug 2014	320,000	0.35	Y		Oct 2013
4.1.4) CTG, 5.56MM CTG BALL B855 LKD F/SAW (A062)		2015	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2015	Aug 2015	400,000	0.29	Y		Oct 2013
4.1.5) CTG, 5.56MM BLANK, LDD M27 LINK (A075) ^(†)		2013	ATK Lake City Army Ammunition Plant / Lake City	C / FFP	JMC ROCK ISLAND	Jun 2013	Jan 2014	3,300,000	0.45	Y		Oct 2012

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo				Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.1.5) CTG, 5.56MM BLANK, LDD M27 LINK (A075)		2016	ATK Lake City Army Ammunition Plant / Lake City	C / FFP	JMC ROCK ISLAND	Oct 2015	May 2016	1,500,800	0.22	Y		Oct 2013
4.1.6) CTG, 5.56MM BLANK (TRAINING ITEM) (A080)		2016	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2016	3,762,000	0.15	Y		Dec 2013
4.1.7) CTG, 5.56MM 77 GRAIN, MK 262 MOD 0/1, LONG (AA53)		2014	BLACK HILLS AMMUNITION / RAPID CITY, SD	SS / FFP	NSWC CRANE	Jul 2014	Aug 2015	1,403,076	0.65	Y		Oct 2012
4.1.7) CTG, 5.56MM 77 GRAIN, MK 262 MOD 0/1, LONG (AA53)	✓	2014	BLACK HILLS AMMUNITION / RAPID CITY, SD	SS / FFP	NSWC CRANE	Jul 2014	Aug 2015	574,000	0.65	Y		Oct 2012
4.1.10) CTG, 5.56MM LINKED (A064) ^(t)		2014	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Mar 2014	Aug 2014	3,000,000	0.54	Y		Oct 2011
4.1.10) CTG, 5.56MM LINKED (A064)		2015	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Mar 2015	Aug 2015	2,240,000	0.53	Y		Oct 2011
5.1.1) CTG, 50 CAL, LINKED, BALL MK 322/TRACER MK (AB64)		2014	GENERAL DYNAMICS / MONTREAL, CN	C / FFP	NSWC CRANE	Mar 2014	Mar 2015	200,000	4.00	Y		Mar 2013
5.1.1) CTG, 50 CAL, LINKED, BALL MK 322/TRACER MK (AB64)		2015	GENERAL DYNAMICS / MONTREAL, CN	C / FFP	NSWC CRANE	Oct 2014	Oct 2015	600,000	4.08	Y		Mar 2013
5.1.1) CTG, 50 CAL, LINKED, BALL MK 322/TRACER MK (AB64)		2016	GENERAL DYNAMICS / MONTREAL, CN	C / FFP	NSWC CRANE	Mar 2016	Mar 2017	400,000	4.16	Y		Mar 2013
5.1.2) CTG, CAL .50 LINKED BALL (NO TRACER) (A555)		2013	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Jun 2013	Jan 2014	853,218	2.33	Y		Oct 2012
5.1.2) CTG, CAL .50 LINKED BALL (NO TRACER) (A555)		2016	ALLIANT TECH DBA (LCAAP) - FY2016 / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2016	862,570	1.79	Y		Oct 2013
5.1.3) CTG, CAL .50 LINKED, BALL/TRACER (A557)		2014	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2014	Mar 2015	1,215,846	1.83	Y		Oct 2011
5.1.3) CTG, CAL .50 LINKED, BALL/TRACER (A557)		2016	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2016	Mar 2017	753,551	1.83	Y		Oct 2013
5.1.4) CTG, CAL .50 APL MK 211 MULTI PURPOSE (A606)		2015	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2015	Mar 2016	50,160	14.55	Y		Oct 2013
5.1.5) CTG, CAL .50 LINKED, M2 APL, M8/APK-T M20 (A576)		2013	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Jun 2013	Jan 2014	1,462,564	1.95	Y		Oct 2011
5.1.5) CTG, CAL .50 LINKED, M2 APL, M8/APK-T M20 (A576)		2014	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2014	Oct 2014	2,810,660	1.97	Y		Oct 2011
5.1.5) CTG, CAL .50 LINKED, M2 APL, M8/APK-T M20 (A576)	✓	2014	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2014	Oct 2014	1,107,910	1.97	Y		Oct 2011
5.1.5) CTG, CAL .50 LINKED, M2 APL, M8/APK-T M20 (A576)		2015	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2015	1,034,674	1.99	Y		Oct 2011
5.1.5) CTG, CAL .50 LINKED, M2 APL, M8/APK-T M20 (A576)	✓	2015	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2015	251,256	1.99	Y		Oct 2011
5.1.6) CTG, CAL .50 LINKED, BLANK, M1A1 (A598)		2013	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Jun 2013	Jan 2014	1,182,352	1.19	Y		Oct 2012

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo					Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
5.1.6) CTG, CAL .50 LINKED, BLANK, M1A1 (A598)		2014	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2014	Oct 2014	1,378,000	1.15	Y		Oct 2012
5.1.6) CTG, CAL .50 LINKED, BLANK, M1A1 (A598)		2015	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2015	Oct 2015	885,950	1.21	Y		Oct 2012
5.1.6) CTG, CAL .50 LINKED, BLANK, M1A1 (A598)		2016	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Mar 2016	Oct 2016	167,500	1.20	Y		Oct 2013
7.1.1) CTG, CAL .300 MATCH (A191)		2014	OLIN CORP / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2014	Oct 2014	240,000	1.25	Y		Mar 2013
7.1.1) CTG, CAL .300 MATCH (A191)	✓	2014	OLIN CORP / ILLINOIS	C / FFP	JMC ROCK ISLAND	Mar 2014	Oct 2014	480,000	1.25	Y		Mar 2013

(†) 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: 1508N / 01 / 1										P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo													Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)												
Cost Elements (Units in Millions (* = < 500 units))							Fiscal Year 2013													Fiscal Year 2014															
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013													Calendar Year 2014															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
3.1.4) CTG, 7.62MM BLANK, LINKED (A111)																																			
Prior Years Deliveries: 3200000																																			
	1	2015	NAVY	1.600	-	1.600																										1.600			
	1	2016	NAVY	3.100	-	3.100																										3.100			
3.1.6) CTG, 7.62MM LINKED 9.1 DIM TRACED F/MK 44 (A257)																																			
Prior Years Deliveries: 1105000																																			
	2	2013	NAVY	4.136	-	4.136									A -	-	-	-	-	-	-	-	2.001											2.135	
4.1.5) CTG, 5.56MM BLANK, LDD M27 LINK (A075)																																			
	3	2013	NAVY	3.300	-	3.300									A -	-	-	-	-	-	-	-	2.000	1.200											.100
4.1.10) CTG, 5.56MM LINKED (A064)																																			
	4	2014	NAVY	3.000	-	3.000																			A -	-	-	-	-	-	3.000		-		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				

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Exhibit P-21, Production Schedule: PB 2016 Navy																			Date: February 2015														
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo										Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)													
Cost Elements (Units in Millions (* = < 500 units))								Fiscal Year 2015										Fiscal Year 2016															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015										Calendar Year 2016																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		
3.1.4) CTG, 7.62MM BLANK, LINKED (A111)																																	
Prior Years Deliveries: 3200000																																	
	1	2015	NAVY	1.600	-	1.600							A -	-	-	-	-	-	-	1.000	.600											-	
	1	2016	NAVY	3.100	-	3.100																			A -	-	-	-	-	-	3.100		
3.1.6) CTG, 7.62MM LINKED 9.1 DIM TRACED F/MK 44 (A257)																																	
Prior Years Deliveries: 1105000																																	
	2	2013	NAVY	4.136	2.001	2.135																											2.135
4.1.5) CTG, 5.56MM BLANK, LDD M27 LINK (A075)																																	
	3	2013	NAVY	3.300	3.200	.100																											.100
4.1.10) CTG, 5.56MM LINKED (A064)																																	
	4	2014	NAVY	3.000	3.000	-	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Navy																			Date: February 2015													
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo										Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)												
Cost Elements (Units in Millions (* = < 500 units))								Fiscal Year 2017										Fiscal Year 2018														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017										Calendar Year 2018															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
3.1.4) CTG, 7.62MM BLANK, LINKED (A111)																																
Prior Years Deliveries: 3200000																																
	1	2015	NAVY	1.600	1.600	-																										-
	1	2016	NAVY	3.100	-	3.100	-	1.000	1.000	1.000	.100																					-
3.1.6) CTG, 7.62MM LINKED 9.1 DIM TRACED F/MK 44 (A257)																																
Prior Years Deliveries: 1105000																																
	2	2013	NAVY	4.136	2.001	2.135																										2.135
4.1.5) CTG, 5.56MM BLANK, LDD M27 LINK (A075)																																
	3	2013	NAVY	3.300	3.200	.100																										.100
4.1.10) CTG, 5.56MM LINKED (A064)																																
	4	2014	NAVY	3.000	3.000	-																										-
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy								Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo				Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)			

		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	ALLIANT TECH DBA (LCAAP) - INDEPENDENCE, MO	-	5,160,000	17,770,000	6	6	7	13	6	6	7	13
2	ALLIANT TECH DBA (LCAAP) - INDEPENDENCE, MO	-	6,890	23,600	6	6	18	24	6	6	7	13
3	ATK Lake City Army Ammunition Plant - Lake City	-	14,100	48,700	6	6	7	13	6	6	7	13
4	ALLIANT TECH DBA (LCAAP) - INDEPENDENCE, MO	-	11,500	39,300	6	6	5	11	6	6	7	13

"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-40, Budget Line Item Justification: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition						P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition						
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)	45.796	13.084	14.565	10.809	1.989	12.798	11.199	9.822	11.610	11.913	-	130.787
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	45.796	13.084	14.565	10.809	1.989	12.798	11.199	9.822	11.610	11.913	-	130.787
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	45.796	13.084	14.565	10.809	1.989	12.798	11.199	9.822	11.610	11.913	-	130.787
(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:												
Program provides pyrotechnics and demolition materials for all active naval vessels, construction battalions, mobile diving and salvage units, cargo handling and port groups, naval security groups, and explosive ordnance disposal groups/mobile units/detachments/teams. Pyrotechnics are used for training, combat exercises, submarine rescue and personnel search, and rescue operations. These items consist of illumination, signaling, identification, and location devices using flares or smoke as the primary signaling agent.												
Demolitions consist of explosive devices and accessories and are required for fleet units to perform training functions and operations/requirements. Fleet requirements are based upon CNO approved allowance lists for special needs on a case by case basis and worldwide fleet expenditure. This program also provides materials to support the ship shock test program.												
[P5 / Integrated Warfare Systems]: (AJ100) - Procures components, load and assemble complete rounds and conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities will be adjusted during the year of execution.												
[P5 / (AJ850) PRODUCT IMPROVEMENT]: Provides engineering services and related efforts by government activities, the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope.												
[P5 / (AJ893) RENOVATION COMPONENTS]: The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.												
[P5 / (AJ894) GAUGE REQUIREMENTS]: Procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and sub-assemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.												
[P5 / (AJ895) NON-STANDARD]: The non-standard line is to support procurement of ammunition training aids and initial procurements of required non-type classified munition items.												
[P5 / (AJ830) PRODUCTION ENGINEERING]: Provides for production engineering services.												
[P5 - 2 / Naval Special Warfare]: (AJNSW) - Procures components, load and assemble complete rounds and conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items for Naval Special Warfare service common items. Unit costs and quantities will be adjusted during the year of execution.												

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy			Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition			P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition		
ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:		Other Related Program Elements:	

[P5 - 2 / (NS830) PRODUCTION ENGINEERING]: Provides for production engineering services.

Secondary Distribution		FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020
Navy	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	12.996	14.480	10.723	1.989	12.712	11.105	9.730	11.516	11.818
NR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.088	0.085	0.086	-	0.086	0.094	0.092	0.094	0.095
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	13.084	14.565	10.809	1.989	12.798	11.199	9.822	11.610	11.913

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy						Date: February 2015		
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition					P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition			
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 (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
1 / Integrated Warfare Systems	P-5, P-5a		- / 44.150	- / 12.428	- / 12.100	- / 9.997	- / 1.369	- / 11.366
2 / Naval Special Warfare	P-5, P-5a		- / 1.646	- / 0.656	- / 2.465	- / 0.812	- / 0.620	- / 1.432
Total Gross/Weapon System Cost			- / 45.796	- / 13.084	- / 14.565	- / 10.809	- / 1.989	- / 12.798
*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:

FY16 baseline funding procures pyrotechnics to support surface, air, ground, and underwater Navy requirements for training, combat exercises, submarine rescue, and personnel search and rescue operations, and demolition consisting of explosive devices and accessories to support fleet units performing training and operational exercises. Pyrotechnics and demolition materials consists of smoke and flare signals for safety of life, simulators, remote and time delay firing devices, safe and arming devices, demolition charges, blasting caps, detonating cord, time fuze, cable cutters, IED disrupters, cartridge actuated devices, shape charges, and shock test charges. These materials are used by all Navy platforms, and Navy Mobile Construction Battalions, mobile diving and salvage units, cargo handling and port groups, naval security groups, fleet composite operational readiness groups, and Explosive Ordnance Disposal groups, mobile units, detachments, and teams. Baseline funding also provides Product Improvement Programs to resolve obsolescence issues in cartridge actuated devices. Baseline program funds Renovation of firing devices and supply components for demolition items, and Production Engineering and Gauge requirements for pyrotechnics and demolition materials.

OCO:

FY16 Overseas Contingency Operation (OCO) is required to replenish stocks depleted in support of Operation Freedom's Sentinel (OFS) and current combat and training expenditures.

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems						
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>				44.150		12.428		12.100		9.997		1.369		11.366				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>				44.150		12.428		12.100		9.997		1.369		11.366				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				44.150		12.428		12.100		9.997		1.369		11.366				
(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 (\$)	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 - AJ100 TRANSPORTATION ACCOUNT CODE Cost																		
Recurring Cost																		
1.1.1) TRANSPORTATION ACCOUNT CODE (N97)	-	-	0.105	-	-	0.050	-	-	0.050	-	-	0.050	-	-	-	-	-	0.050
1.1.2) TRANSPORTATION ACCOUNT CODE (N96)	-	-	0.596	-	-	0.051	-	-	0.190	-	-	0.187	-	-	-	-	-	0.187
1.1.3) TRANSPORTATION ACCOUNT CODE (N95)	-	-	0.010	-	-	0.025	-	-	-	-	-	0.014	-	-	-	-	-	0.014
Subtotal: Recurring Cost	-	-	0.711	-	-	0.126	-	-	0.240	-	-	0.251	-	-	-	-	-	0.251
Subtotal: Hardware - AJ100 TRANSPORTATION ACCOUNT CODE Cost	-	-	0.711	-	-	0.126	-	-	0.240	-	-	0.251	-	-	-	-	-	0.251
Hardware - AJ100 PE/QA SMCA Cost																		
Recurring Cost																		
2.1.1) PE/QA SMCA	-	-	3.062	-	-	0.240	-	-	0.530	-	-	0.550	-	-	-	-	-	0.550
Subtotal: Recurring Cost	-	-	3.062	-	-	0.240	-	-	0.530	-	-	0.550	-	-	-	-	-	0.550
Subtotal: Hardware - AJ100 PE/QA SMCA Cost	-	-	3.062	-	-	0.240	-	-	0.530	-	-	0.550	-	-	-	-	-	0.550
Hardware - AJ100 CUTTERS & CARTRIDGES Cost																		
Recurring Cost																		

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Exhibit P-5, Cost Analysis: PB 2016 Navy													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems					
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)
3.1.1) CTG, 50 CAL BLANK, ELEC, MK20 (SS01) ^(†)	-	-	0.000	184.91	4,380	0.810	-	-	-	194.75	1,104	0.215	194.74	2,850	0.555	194.74	3,954	0.770
3.1.2) CUTTER, MK20, NON-ELECTRIC IN (SS43) ^(†)	1,141.67	600	0.685	-	-	-	1,256.00	500	0.628	-	-	-	-	-	-	-	-	-
3.1.3) MK 278 BLACK POWDER BLANK (AA66) ^(†)	1.76	15,360	0.027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.712	-	-	0.810	-	-	0.628	-	-	0.215	-	-	0.555	-	-	0.770
Subtotal: Hardware - AJ100 CUTTERS & CARTRIDGES Cost	-	-	0.712	-	-	0.810	-	-	0.628	-	-	0.215	-	-	0.555	-	-	0.770
Hardware - AJ100 DET CORDS, CAPS & FUZES Cost																		
Recurring Cost																		
4.1.1) CAP, BLASTING, ELEC, INERT (MP16) ^(†)	-	-	0.000	21.71	15,160	0.329	-	-	-	-	-	-	-	-	-	-	-	-
4.1.2) CAP, BLASTING, ELECTRIC MK 18 MOD 0 (DWHH) ^(†)	42.48	31,030	1.318	39.37	68,480	2.696	44.65	29,250	1.306	-	-	-	-	-	-	-	-	-
4.1.3) SQUIB, ELECTRIC, MK 20 MOD 2 (MP40) ^(†)	62.12	7,920	0.492	75.78	11,520	0.873	-	-	-	93.69	6,500	0.609	-	-	-	93.69	6,500	0.609
4.1.4) CAP, BLASTIN, NON-ELEC, INERT (M097) ^(†)	29.88	24,700	0.738	-	-	-	22.93	14,000	0.321	22.64	11,000	0.249	22.64	4,991	0.113	22.64	15,991	0.362
4.1.5) HOLDER, BLASTING CAP (M165) ^(†)	-	-	0.000	-	-	-	-	-	-	0.70	14,300	0.010	-	-	-	0.70	14,300	0.010
4.1.6) CORD, DETONATING, PRIMACORD (M456) ^(†)	0.54	2,076,000	1.119	0.68	779,000	0.530	-	-	-	-	-	-	-	-	-	-	-	-
4.1.7) DETONATOR, DEL, 17MS, MK 158 (DWEL) ^(†)	34.50	6,840	0.236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems						
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)
4.1.8) DETONATOR, NON-ELEC, MK 121 (MP17) ^(†)	-	-	0.335	-	-	-	181.96	6,424	1.169	-	-	-	-	-	-	-	-	-
4.1.9) EOD REFILL KIT-LMNS (DWGJ)	838.33	600	0.503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.10) FUZE, BLASTING, TIME (M670) ^(†)	0.49	1,356,000	0.665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.11) IGNITIER, TIME BLASTING FUZE (MN08) ^(†)	5.35	43,956	0.235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	5.641	-	-	4.428	-	-	2.796	-	-	0.868	-	-	0.113	-	-	0.981
Subtotal: Hardware - AJ100 DET CORDS, CAPS & FUZES Cost	-	-	5.641	-	-	4.428	-	-	2.796	-	-	0.868	-	-	0.113	-	-	0.981
Hardware - MINE CHARGES & CHARGE CUTTERS Cost																		
Recurring Cost																		
5.1.1) CHG KIT, DML, MK 75 (MW84) ^(†)	-	-	0.000	-	-	-	1,673.13	774	1.295	1,724.25	890	1.535	-	-	-	1,724.25	890	1.535
5.1.2) CHG, BOOSTER, 20 GM, MK 140 (MM30)	7.82	23,280	0.182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.3) CHG, DML, BLK, COMP C-4, 1.25 (M023) ^(†)	23.12	94,790	2.192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.4) CHG, DML, SHAPED, M3, 40 LB (M421) ^(†)	1,033.58	536	0.554	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.5) CHG, DML, XPL ROLL, 11FT (M985) ^(†)	-	-	0.000	-	-	-	-	-	-	96.21	2,640	0.254	-	-	-	96.21	2,640	0.254
5.1.6) CHG, DML, XPL ROLL, 25 FT (M981) ^(†)	-	-	0.000	-	-	-	-	-	-	47.90	5,986	0.287	-	-	-	47.90	5,986	0.287
5.1.7) CHG, DML, XPL ROLL, 38 FT, 14 (M980) ^(†)	-	-	0.000	-	-	-	-	-	-	30.34	7,220	0.219	-	-	-	30.34	7,220	0.219
5.1.8) CUTTER, POWDER ACTUATED MK 23/1 (MN70) ^(†)	333.33	1,842	0.614	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems						
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)
5.1.9) VALVE, EXPLOSIVE ELECTRIC, MK 2 MOD 1 (MW02) ^(†)	-	-	0.000	-	-	-	477.80	3,098	1.480	485.91	1,774	0.862	485.79	1,443	0.701	485.86	3,217	1.563
5.1.10) CUTTER, POWDER ACTUATED MK 24/1 (MN71) ^(†)	-	-	0.000	992.00	1,250	1.240	-	-	-	-	-	-	-	-	-	-	-	-
5.1.11) CHG, DEML, MK149 MOD0 LOW HAZ FLEX LIN SHP (MM54)	61.88	5,430	0.336	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.12) Chg, Demo, Mk 145 Low Hazard Flex (MM53) ^(†)	48.63	3,640	0.177	66.79	11,200	0.748	51.50	13,010	0.670	-	-	-	-	-	-	-	-	-
5.1.13) CHARGE, DEMO SHEET, FLEXIBLE, 0.043 THICK (M994) ^(†)	19.35	5,168	0.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.17) CHG, DEML, MK144 MOD 0 LOW HAZ FLEX (MM52) ^(†)	45.48	16,800	0.764	-	-	-	51.20	10,040	0.514	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	4.919	-	-	1.988	-	-	3.959	-	-	3.157	-	-	0.701	-	-	3.858
Subtotal: Hardware - MINE CHARGES & CHARGE CUTTERS Cost	-	-	4.919	-	-	1.988	-	-	3.959	-	-	3.157	-	-	0.701	-	-	3.858
Hardware - AJ100 N97 UNDERSEA WARFARE Cost																		
Recurring Cost																		
6.1.1) SIGNAL, SMOKE AND ILLUM, MAR, MK 146 MOD 0 (LA72)	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.2) SIG, SMK ILLUM, MAR, MK 141, GREEN (LA26) ^(†)	1,995.50	1,110	2.215	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.3) SIG, SMK ILLUM, MAR, MK 144/118, YELLOW (LA27) ^(†)	-	-	1.500	-	-	-	-	-	-	1,563.55	598	0.935	-	-	-	1,563.55	598	0.935
6.1.4) MARKER, LOCATION, SUB, MK 140, RED (LA28) ^(†)	6,742.51	167	1.126	-	-	-	1,522.26	674	1.026	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Navy											Date: February 2015							
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems						
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)
6.1.5) CTG, IMPULSE, MK148 (M663) ^(†)	-	-	0.000	-	-	-	-	-	-	1,480.00	100	0.148	-	-	-	1,480.00	100	0.148
Subtotal: Recurring Cost	-	-	4.842	-	-	-	-	-	1.026	-	-	1.083	-	-	-	-	-	1.083
Subtotal: Hardware - AJ100 N97 UNDERSEA WARFARE Cost	-	-	4.842	-	-	-	-	-	1.026	-	-	1.083	-	-	-	-	-	1.083
Hardware - AJ100 SHOCK TEST CHARGES Cost																		
Recurring Cost																		
7.1.1) CHARGE, SHOCK TEST, 60 LB (XW65) ^(†)	-	-	0.000	1,158.21	560	0.649	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.000	-	-	0.649	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - AJ100 SHOCK TEST CHARGES Cost	-	-	0.000	-	-	0.649	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - AJ100 SIGNALS Cost																		
Recurring Cost																		
8.1.1) SIGNAL ILLUMINATION, MK80/2 RED STAR (L258) ^(†)	47.45	11,000	0.522	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.1.2) SIG, SMK ILLUM, MAR, MK 124/1, DISTRESS (LA60) ^(†)	-	-	0.000	74.49	12,096	0.901	-	-	-	79.03	12,096	0.956	-	-	-	79.03	12,096	0.956
Subtotal: Recurring Cost	-	-	0.522	-	-	0.901	-	-	-	-	-	0.956	-	-	-	-	-	0.956
Subtotal: Hardware - AJ100 SIGNALS Cost	-	-	0.522	-	-	0.901	-	-	-	-	-	0.956	-	-	-	-	-	0.956
Hardware - TRAINING DEVICES Cost																		
Recurring Cost																		
9.1.1) SIM, HAND GRENADE, M116 (L601) ^(†)	15.75	29,400	0.463	15.16	16,950	0.257	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.463	-	-	0.257	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - TRAINING DEVICES Cost	-	-	0.463	-	-	0.257	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (AJ850) PRODUCT IMPROVEMENT Cost																		
Recurring Cost																		
10.1.1) PRODUCT IMPROVEMENT	-	-	0.000	-	-	0.020	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition						Item Number / Title [DODIC]: 1 / Integrated Warfare Systems						
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)
(N95) Expeditionary Warfare																		
10.1.2) PRODUCT IMPROVEMENT (N96) Surface Warfare	-	-	5.464	-	-	0.239	-	-	0.259	-	-	0.229	-	-	-	-	-	0.229
10.1.3) PRODUCT IMPROVEMENT (N97) Undersea Warfare	-	-	0.964	-	-	0.250	-	-	0.222	-	-	0.178	-	-	-	-	-	0.178
Subtotal: Recurring Cost	-	-	6.428	-	-	0.509	-	-	0.481	-	-	0.407	-	-	-	-	-	0.407
Subtotal: Hardware - (AJ850) PRODUCT IMPROVEMENT Cost	-	-	6.428	-	-	0.509	-	-	0.481	-	-	0.407	-	-	-	-	-	0.407
Hardware - (AJ893) RENOVATION COMPONENTS Cost																		
Recurring Cost																		
11.1.1) RENOVATION COMPONENTS	-	-	1.176	-	-	0.202	-	-	0.068	-	-	0.114	-	-	-	-	-	0.114
Subtotal: Recurring Cost	-	-	1.176	-	-	0.202	-	-	0.068	-	-	0.114	-	-	-	-	-	0.114
Subtotal: Hardware - (AJ893) RENOVATION COMPONENTS Cost	-	-	1.176	-	-	0.202	-	-	0.068	-	-	0.114	-	-	-	-	-	0.114
Hardware - (AJ894) GAUGE REQUIREMENTS Cost																		
Recurring Cost																		
12.1.1) GAUGE REQUIREMENTS	-	-	0.119	-	-	-	-	-	0.003	-	-	0.005	-	-	-	-	-	0.005
Subtotal: Recurring Cost	-	-	0.119	-	-	-	-	-	0.003	-	-	0.005	-	-	-	-	-	0.005
Subtotal: Hardware - (AJ894) GAUGE REQUIREMENTS Cost	-	-	0.119	-	-	-	-	-	0.003	-	-	0.005	-	-	-	-	-	0.005
Hardware - (AJ895) NON-STANDARD Cost																		
Recurring Cost																		
13.1.1) NON-STANDARD	-	-	0.187	-	-	0.135	-	-	0.130	-	-	0.130	-	-	-	-	-	0.130
Subtotal: Recurring Cost	-	-	0.187	-	-	0.135	-	-	0.130	-	-	0.130	-	-	-	-	-	0.130
Subtotal: Hardware - (AJ895) NON-STANDARD Cost	-	-	0.187	-	-	0.135	-	-	0.130	-	-	0.130	-	-	-	-	-	0.130
Support - (AJ830) PRODUCTION ENGINEERING Cost																		
14.1) PRODUCTION ENGINEERING (N95) Expeditionary Warfare	-	-	0.018	-	-	0.025	-	-	-	-	-	0.016	-	-	-	-	-	0.016

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Exhibit P-5, Cost Analysis: PB 2016 Navy													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition							Item Number / Title [DODIC]: 1 / Integrated Warfare Systems					
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)
14.2) PRODUCTION ENGINEERING (N96) Surface Warfare	-	-	12.646	-	-	1.218	-	-	1.278	-	-	1.297	-	-	-	-	-	1.297
14.3) PRODUCTION ENGINEERING (N97) Undersea Warfare	-	-	2.704	-	-	0.940	-	-	0.961	-	-	0.948	-	-	-	-	-	0.948
Subtotal: Support - (AJ830) PRODUCTION ENGINEERING Cost	-	-	15.368	-	-	2.183	-	-	2.239	-	-	2.261	-	-	-	-	-	2.261
Gross/Weapon System Cost	-	-	44.150	-	-	12.428	-	-	12.100	-	-	9.997	-	-	1.369	-	-	11.366

(†) 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: 1508N / 01 / 1				P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition				Item Number / Title [DODIC]: 1 / Integrated Warfare Systems				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.1.1) CTG, 50 CAL BLANK, ELEC, MK20 (SS01)		2014 (1)	CRANE ARMY AMMUNITION ACTIVITY / NSWCRANE, IND	MIPR	NO PCO	Jan 2015	Feb 2016	4,380	184.91	Y		Aug 2014
3.1.1) CTG, 50 CAL BLANK, ELEC, MK20 (SS01)		2016	TBD / TBD	C / FFP	NSWC CRANE	Mar 2016	Jan 2017	1,104	194.75	Y		Oct 2015
3.1.1) CTG, 50 CAL BLANK, ELEC, MK20 (SS01)	✓	2016	TBD / TBD	C / FFP	NSWC CRANE	Mar 2016	Jan 2017	2,850	194.74	Y		Oct 2015
3.1.2) CUTTER, MK20, NON-ELECTRIC IN (SS43)		2015	TBD / TBD	C / FFP	NAVSUP	Mar 2015	Jun 2016	500	1,256.00	Y		Dec 2014
3.1.3) MK 278 BLACK POWDER BLANK (AA66)		2013	L-TECH ENTERPRISE / EUBANK, KY	SS / FFP	NSWC CRANE	Sep 2013	May 2014	15,360	1.76	Y		Oct 2012
4.1.1) CAP, BLASTING, ELEC, INERT (MP16)		2014	STRESAU LABS / Sponner, WI	C / FFP	NSWC CRANE	Feb 2014	Feb 2015	15,160	21.71	Y		Oct 2008
4.1.2) CAP, BLASTING, ELECTRIC MK 18 MOD 0 (DWHH)		2011	STRESAU LABS. / SPOONER. WI	C / FFP	NSWC CRANE	Jul 2012	Apr 2014	6,967	40.48	Y		Sep 2011
4.1.2) CAP, BLASTING, ELECTRIC MK 18 MOD 0 (DWHH)	✓	2013	STRESAU LABS / SPOONER. WI	C / FFP	NSWC CRANE	Mar 2014	Oct 2014	24,000	43.17	Y		Sep 2011
4.1.2) CAP, BLASTING, ELECTRIC MK 18 MOD 0 (DWHH)		2014	STRESAU LABS / SPOONER. WI.	C / FFP	NSWC CRANE	May 2014	Sep 2015	43,840	40.19	Y		Sep 2011
4.1.2) CAP, BLASTING, ELECTRIC MK 18 MOD 0 (DWHH)	✓	2014	STRESAU LABS / SPOONER. WI.	C / FFP	NSWC CRANE	May 2014	Apr 2015	24,640	37.91	Y		Sep 2011
4.1.2) CAP, BLASTING, ELECTRIC MK 18 MOD 0 (DWHH)		2015 (2)	STRESAU LABS. / SPOONER. WI	C / FFP	NSWC CRANE	Mar 2015	Mar 2016	21,170	44.64	Y		Sep 2011
4.1.2) CAP, BLASTING, ELECTRIC MK 18 MOD 0 (DWHH)	✓	2015	STRESAU LABS. / SPOONER. WI	C / FFP	NSWC CRANE	Mar 2015	Mar 2016	8,080	44.68	Y		Sep 2011
4.1.3) SQUIB, ELECTRIC, MK 20 MOD 2 (MP40)		2013	STRESAU LABS. / SPOONER. WI	C / FFP	NSWC CRANE	Sep 2013	Apr 2015	7,920	62.12	Y		May 2012
4.1.3) SQUIB, ELECTRIC, MK 20 MOD 2 (MP40)		2014 (3)	STRESAU LABS / SPOONER. WI	C / FFP	NSWC CRANE	Dec 2014	Feb 2016	11,520	75.78	Y		May 2012
4.1.3) SQUIB, ELECTRIC, MK 20 MOD 2 (MP40)		2016	STRESAU LABS / SPOONER. WI	C / FFP	NSWC CRANE	Mar 2016	Feb 2017	6,500	93.69	Y		May 2012
4.1.4) CAP, BLASTIN, NON-ELEC, INERT (M097)		2013	STRESAU LABS / SPOONER. WI	C / FFP	JMC ROCK ISLAND	Sep 2013	Apr 2014	14,900	20.54	Y		Oct 2011
4.1.4) CAP, BLASTIN, NON-ELEC, INERT (M097)		2015 (4)	TBD / TBD	C / FFP	JMC ROCK ISLAND	Aug 2015	Jan 2017	14,000	22.93	Y		Feb 2015
4.1.4) CAP, BLASTIN, NON-ELEC, INERT (M097)		2016	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2016	Sep 2017	11,000	22.64	Y		Feb 2015
4.1.4) CAP, BLASTIN, NON-ELEC, INERT (M097)	✓	2016	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2016	Sep 2017	4,991	22.64	Y		Feb 2015

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition				Item Number / Title [DODIC]: 1 / Integrated Warfare Systems				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.1.5) HOLDER, BLASTING CAP (M165)		2016	TBD / TBD	C / FFP	NSWC CRANE	Mar 2016	Dec 2016	14,300	0.70	N	Aug 2015	Oct 2015
4.1.6) CORD, DETONATING, PRIMACORD (M456)		2012	ENSIGN BICKFORD / GRAHAM, KY	SS / FFP	JMC ROCK ISLAND	Feb 2014	Mar 2015	684,000	0.68	Y		Dec 2012
4.1.6) CORD, DETONATING, PRIMACORD (M456)		2013	ENSIGN BICKFORD / GRAHAM, KY	SS / FFP	JMC ROCK ISLAND	Feb 2014	Apr 2015	628,000	0.68	Y		Dec 2012
4.1.6) CORD, DETONATING, PRIMACORD (M456)	✓	2013	ENSIGN BICKFORD / GRAHAM, KY.	SS / FFP	JMC ROCK ISLAND	Feb 2014	Jun 2015	764,000	0.68	Y		Dec 2012
4.1.6) CORD, DETONATING, PRIMACORD (M456)	✓	2014	ENSIGN BICKFORD / GRAHAM, KY.	SS / FFP	JMC ROCK ISLAND	May 2014	Sep 2015	779,000	0.68	Y		Dec 2012
4.1.7) DETONATOR, DEL, 17MS, MK 158 (DWEL)		2012	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	JMC ROCK ISLAND	Aug 2013	May 2015	1,155	37.94	Y		Aug 2012
4.1.7) DETONATOR, DEL, 17MS, MK 158 (DWEL)		2013	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	JMC ROCK ISLAND	Aug 2013	May 2015	3,840	47.14	Y		Aug 2012
4.1.8) DETONATOR, NON-ELEC, MK 121 (MP17)		2015	TBD / TBD	C / FFP	NSWC CRANE	Mar 2015	Mar 2016	4,424	181.96	Y		Apr 2014
4.1.8) DETONATOR, NON-ELEC, MK 121 (MP17)	✓	2015	TBD / TBD	C / FFP	NSWC CRANE	Mar 2015	Mar 2016	2,000	181.96	Y		Apr 2014
4.1.10) FUZE, BLASTING, TIME (M670)	✓	2011	RTI TECHNOLOGIES / COLUMBIA, CT	C / FFP	JMC ROCK ISLAND	Mar 2012	Mar 2015	436,000	0.58	Y		Mar 2011
4.1.10) FUZE, BLASTING, TIME (M670)		2012	RTI TECHNOLOGIES / COLUMBIA, CT.	C / FFP	JMC ROCK ISLAND	Apr 2012	Jul 2015	492,000	0.40	Y		Mar 2011
4.1.11) IGNITIER, TIME BLASTING FUZE (MN08)		2013	MAST TECHNOLOGY / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Aug 2013	May 2015	43,956	5.35	Y		Dec 2012
5.1.1) CHG KIT, DML, MK 75 (MW84)		2015	TBD / TBD	C / FFP	JMC ROCK ISLAND	Aug 2015	Mar 2017	774	1,673.13	Y		Apr 2015
5.1.1) CHG KIT, DML, MK 75 (MW84)		2016	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2016	May 2017	890	1,724.25	Y		Apr 2015
5.1.3) CHG, DML, BLK, COMP C-4, 1.25 (M023)		2012	AMERICAN ORDANCE / MIDDLETOWN, IA	C / FFP	JMC ROCK ISLAND	Mar 2012	Sep 2014	22,770	24.81	Y		Oct 2009
5.1.3) CHG, DML, BLK, COMP C-4, 1.25 (M023)	✓	2012	AMERICAN ORDANCE / MIDDLETOWN, IA	C / FFP	JMC ROCK ISLAND	Mar 2012	Sep 2014	27,530	24.81	Y		Oct 2009
5.1.3) CHG, DML, BLK, COMP C-4, 1.25 (M023)		2013	AMERICAN ORDANCE / MIDDLETOWN, IA	C / FFP	JMC ROCK ISLAND	Mar 2013	Sep 2014	44,490	21.22	Y		Oct 2009
5.1.4) CHG, DML, SHAPED, M3, 40 LB (M421)		2013	AMERICAN ORDANCE / MIDDLETOWN, IA	C / FFP	JMC ROCK ISLAND	Jun 2013	Oct 2014	446	1,091.93	Y		Oct 2010
5.1.5) CHG, DML, XPL ROLL, 11FT (M985)		2016	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2016	May 2017	2,640	96.21	Y		Apr 2015
5.1.6) CHG, DML, XPL ROLL, 25 FT (M981)		2016 (5)	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2016	Aug 2017	5,986	47.90	Y		Apr 2015

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition				Item Number / Title [DODIC]: 1 / Integrated Warfare Systems				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
5.1.7) CHG, DML, XPL ROLL, 38 FT, 14 (M980)		2016	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2016	Aug 2017	7,220	30.34	Y		Apr 2015
5.1.8) CUTTER, POWDER ACTUATED MK 23/1 (MN70)		2013	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	NO PCO	Sep 2013	Mar 2015	1,842	333.33	Y		Dec 2012
5.1.9) VALVE, EXPLOSIVE ELECTRIC, MK 2 MOD 1 (MW02)		2015	TBD / TBD	C / FFP	NSWC CRANE	Jun 2015	Dec 2016	1,599	477.80	Y		Dec 2014
5.1.9) VALVE, EXPLOSIVE ELECTRIC, MK 2 MOD 1 (MW02)	✓	2015	TBD / TBD	C / FFP	NSWC CRANE	Jun 2015	Dec 2016	1,499	477.80	Y		Dec 2014
5.1.9) VALVE, EXPLOSIVE ELECTRIC, MK 2 MOD 1 (MW02)		2016	TBD / TBD	C / FFP	NSWC CRANE	Mar 2016	Oct 2017	1,774	485.91	Y		Dec 2014
5.1.9) VALVE, EXPLOSIVE ELECTRIC, MK 2 MOD 1 (MW02)	✓	2016	TBD / TBD	C / FFP	NSWC CRANE	Mar 2016	Oct 2017	1,443	485.79	Y		Dec 2014
5.1.10) CUTTER, POWDER ACTUATED MK 24/1 (MN71)		2014	NSWC IHEODTD / INDIAN HEAD, MD	MIPR	NO PCO	May 2014	Sep 2015	636	992.14	Y		Mar 2013
5.1.10) CUTTER, POWDER ACTUATED MK 24/1 (MN71)	✓	2014 (6)	NSWC IHEODTD / INDIAN HEAD, MD	MIPR	NO PCO	May 2014	Sep 2015	614	991.86	Y		Mar 2013
5.1.12) Chg, Demo, Mk 145 Low Hazard Flex (MM53)		2014	DONOVAN INDUSTRIES / Graham, KY	C / FFP	NSWC CRANE	May 2014	Mar 2015	5,600	66.79	Y		Oct 2013
5.1.12) Chg, Demo, Mk 145 Low Hazard Flex (MM53)	✓	2014	DONOVAN INDUSTRIES / Graham, KY	C / FFP	NSWC CRANE	May 2014	Mar 2015	5,600	66.79	Y		Oct 2013
5.1.12) Chg, Demo, Mk 145 Low Hazard Flex (MM53)		2015	DONOVAN INDUSTRIES / Graham, KY.	C / FFP	NSWC CRANE	Mar 2015	Mar 2016	8,000	51.50	Y		May 2013
5.1.12) Chg, Demo, Mk 145 Low Hazard Flex (MM53)	✓	2015	DONOVAN INDUSTRIES / Graham, KY.	C / FFP	NSWC CRANE	Mar 2015	Mar 2016	5,010	51.50	Y		May 2013
5.1.13) CHARGE, DEMO SHEET, FLEXIBLE, 0.043 THICK (M994)		2013	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	JMC ROCK ISLAND	Aug 2013	Feb 2014	5,168	19.35	Y		Feb 2009
5.1.17) CHG, DEML, MK144 MOD 0 LOW HAZ FLEX (MM52)	✓	2013	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	NSWC CRANE	Mar 2014	Mar 2015	16,320	45.48	Y		May 2013
5.1.17) CHG, DEML, MK144 MOD 0 LOW HAZ FLEX (MM52)	✓	2015	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	NSWC CRANE	Mar 2015	Mar 2016	10,040	51.20	Y		May 2013
6.1.2) SIG, SMK ILLUM, MAR, MK 141, GREEN (LA26)		2011	CHEMRING ORDANCE INC / PERRY, FL	C / FFP	NSWC CRANE	Sep 2011	May 2015	181	2,574.59	Y		Mar 2011
6.1.2) SIG, SMK ILLUM, MAR, MK 141, GREEN (LA26)		2013	CHEMRING ORDANCE INC / PERRY, FL	C / FFP	NSWC CRANE	Sep 2013	May 2015	790	1,540.51	Y		Dec 2012
6.1.3) SIG, SMK ILLUM, MAR, MK 144/118, YELLOW (LA27)		2016	CHEMRING ORDANCE INC / PERRY, FL	C / FFP	NSWC CRANE	Mar 2016	Sep 2017	598	1,563.55	Y		Mar 2011
6.1.4) MARKER, LOCATION, SUB, MK 140, RED (LA28)		2015	CHEMRING ORDANCE INC / PERRY, FL	C / FFP	NSWC CRANE	Mar 2015	Sep 2016	674	1,522.26	Y		Dec 2012
6.1.5) CTG, IMPULSE, MK148 (M663)		2016	PACIFIC SCIENTIFIC / HOLLISTER, CA	SS / FFP	NAVSUP	Mar 2016	Sep 2017	100	1,480.00	N	Aug 2015	Dec 2015

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1			P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition					Item Number / Title [DODIC]: 1 / Integrated Warfare Systems				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
7.1.1) CHARGE, SHOCK TEST, 60 LB (XW65)		2014	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	MIPR	JMC ROCK ISLAND	May 2014	Sep 2015	560	1,158.21	Y		Sep 2013
8.1.1) SIGNAL ILLUMINATION, MK80/2 RED STAR (L258)		2011	BULOVA TECH.ORD.SYSTEMS / MAYO, FL	C / FFP	NSWC CRANE	May 2012	Jan 2015	11,000	47.45	Y		Apr 2011
8.1.2) SIG, SMK ILLUM, MAR, MK 124/1, DISTRESS (LA60)		2014	CHEMRING ORDANCE INC / PERRY, FL	C / FFP	NSWC CRANE	Sep 2014	Sep 2015	12,096	74.49	Y		Mar 2011
8.1.2) SIG, SMK ILLUM, MAR, MK 124/1, DISTRESS (LA60)		2016	CHEMRING ORDANCE INC / PERRY, FL	C / FFP	NSWC CRANE	Mar 2016	Mar 2017	12,096	79.03	Y		Mar 2011
9.1.1) SIM, HAND GRENADE, M116 (L601)		2011	GRUCCI INC / BROOKHAVEN, NY	C / FFP	JMC ROCK ISLAND	May 2012	Oct 2014	14,700	13.50	Y		Oct 2011
9.1.1) SIM, HAND GRENADE, M116 (L601)		2012	GRUCCI INC / BROOKHAVEN, NY.	C / FFP	JMC ROCK ISLAND	May 2012	Nov 2014	6,300	13.49	Y		Oct 2011
9.1.1) SIM, HAND GRENADE, M116 (L601)		2013	GRUCCI INC / BROOKHAVEN, NY	C / FFP	JMC ROCK ISLAND	Jun 2013	Feb 2015	8,400	14.17	Y		Oct 2011
9.1.1) SIM, HAND GRENADE, M116 (L601)		2014	GRUCCI INC / BROOKHAVEN, NY.	C / FFP	JMC ROCK ISLAND	Jun 2014	Jan 2017	16,950	15.16	Y		Oct 2011

Footnotes:

(1) FY14 - SS01 UNPLANNED PROCUREMENT TO MEET EMERGENT NAVY REQUIREMENTS

(2) FY15 - DWHH INCREASE IN QUANTITY ATTRIBUTED TO INCREASE NAVY REQUIREMENT.

(3) FY14 - MP40 UNPLANNED PROCUREMENT TO MEET EMERGENT NAVY REQUIREMENTS.

(4) FY15 - M097 AND MW84 PLANNED CONTRACT AWARD DATES MOVED TO AUG 2015 TO ALIGN WITH U.S. ARMY DEMOLITION REQUIREMENTS THAT WILL BE EXECUTED ON THE SAME CONTRACT BY JOINT MUNITIONS COMMAND (JMC).

(5) FY16 - M981 AND M980 PROCUREMENT ESTABLISHED TO ALIGN WITH OTHER SERVICE PROCUREMENT PLANS IN ORDER TO ACHIEVE ECONOMIC ORDER QUANTITIES ON JOINT MUNITION COMMAND (JMC) CONTRACTS.

(6) FY14 - MN71 EXPECTED UNIT COST IS \$992.00. BUDGET EXHIBIT REFLECTS \$991.86 DUE TO ROUNDING LIMITATIONS.

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Exhibit P-5, Cost Analysis: PB 2016 Navy												Date: February 2015						
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1						P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition						Item Number / Title [DODIC]: 2 / Naval Special Warfare						
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>				1.646		0.656		2.465		0.812		0.620		1.432				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>				1.646		0.656		2.465		0.812		0.620		1.432				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				1.646		0.656		2.465		0.812		0.620		1.432				
(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 (\$)	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 - AJNSW DET, CORDS, CAPS, FUZES Cost																		
Recurring Cost																		
1.1.1) CHG, BOOSTER, 20 GM, MK 140 (MM30)	3.70	30,000	0.111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) IGNITER, TIME BLASTING FUZE (MN08) ^(†)	-	-	0.000	5.62	106,405	0.598	5.62	200,355	1.126	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.111	-	-	0.598	-	-	1.126	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - AJNSW DET, CORDS, CAPS, FUZES Cost	-	-	0.111	-	-	0.598	-	-	1.126	-	-	-	-	-	-	-	-	-
Hardware - AJNSW MINE CHARGERS & CHARGE CUTTERS Cost																		
Recurring Cost																		
2.1.1) CHG, DEMO, EXPLOSIVE SHEET, .333 (M986) ^(†)	-	-	0.000	-	-	-	135.00	5,185	0.700	-	-	-	135.00	4,593	0.620	135.00	4,593	0.620
2.1.2) CHG, DML, BLK, COMP C-4, 1.25 (M023) ^(†)	22.35	35,622	0.796	-	-	-	39.84	9,738	0.388	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.796	-	-	-	-	-	1.088	-	-	-	-	-	0.620	-	-	0.620
Subtotal: Hardware - AJNSW MINE CHARGERS & CHARGE CUTTERS Cost	-	-	0.796	-	-	-	-	-	1.088	-	-	-	-	-	0.620	-	-	0.620
Hardware - AJNSW TRAINING DEVICES Cost																		

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Exhibit P-5, Cost Analysis: PB 2016 Navy													Date: February 2015					
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1							P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition						Item Number / Title [DODIC]: 2 / Naval Special Warfare					
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)
Recurring Cost																		
3.1.2) FLARE, SURFACE TRIP M49 (L495)	40.60	5,000	0.203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - AJNSW TRAINING DEVICES Cost	-	-	0.203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - AJNSW SIGNALS Cost																		
Recurring Cost																		
4.1.1) SIM, PROJ, GROUND BURST M115A2 (L594) ^(†)	-	-	0.000	-	-	-	-	-	-	19.71	36,696	0.723	-	-	-	19.71	36,696	0.723
Subtotal: Recurring Cost	-	-	0.000	-	-	-	-	-	-	-	-	0.723	-	-	-	-	-	0.723
Subtotal: Hardware - AJNSW SIGNALS Cost	-	-	0.000	-	-	-	-	-	-	-	-	0.723	-	-	-	-	-	0.723
Support - (NS830) PRODUCTION ENGINEERING Cost																		
5.1) PRODUCTION ENGINEERING	-	-	0.536	-	-	0.058	-	-	0.251	-	-	0.089	-	-	-	-	-	0.089
Subtotal: Support - (NS830) PRODUCTION ENGINEERING Cost	-	-	0.536	-	-	0.058	-	-	0.251	-	-	0.089	-	-	-	-	-	0.089
Gross/Weapon System Cost	-	-	1.646	-	-	0.656	-	-	2.465	-	-	0.812	-	-	0.620	-	-	1.432
^(†) indicates the presence of a P-5a																		

(†) 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: 1508N / 01 / 1			P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition					Item Number / Title [DODIC]: 2 / Naval Special Warfare				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.2) IGNITER, TIME BLASTING FUZE (MN08)		2014	MAST TECHNOLOGY / INDEPENDENCE, MO	C / TBD	JMC ROCK ISLAND	Apr 2015	Feb 2016	106,405	5.62	N		Oct 2013
1.1.2) IGNITER, TIME BLASTING FUZE (MN08)		2015	MAST TECHNOLOGY / INDEPENDENCE, MO	C / FFP	JMC ROCK ISLAND	Apr 2015	Feb 2016	200,355	5.62	Y		Oct 2014
2.1.1) CHG, DEMO, EXPLOSIVE SHEET, .333 (M986)	✓	2015	ENSIGN BICKFORD 2 / SIMSBURY, CT	C / FFP	JMC ROCK ISLAND	Jun 2015	Oct 2016	5,185	135.00	Y		Dec 2013
2.1.1) CHG, DEMO, EXPLOSIVE SHEET, .333 (M986)	✓	2016	ENSIGN BICKFORD 2 / SIMSBURY, CT	C / FFP	JMC ROCK ISLAND	Jun 2016	Oct 2017	4,593	135.00	Y		Dec 2013
2.1.2) CHG, DML, BLK, COMP C-4, 1.25 (M023)		2012	AMERICAN ORDANCE / MIDDLETOWN, IA	C / FFP	JMC ROCK ISLAND	Mar 2012	Mar 2014	11,070	24.81	Y		Oct 2009
2.1.2) CHG, DML, BLK, COMP C-4, 1.25 (M023)		2013	AMERICAN ORDANCE / MIDDLETOWN, IA	C / FFP	JMC ROCK ISLAND	Dec 2014	Dec 2016	24,552	21.22	Y		Oct 2009
2.1.2) CHG, DML, BLK, COMP C-4, 1.25 (M023)		2015	AMERICAN ORDANCE / MIDDLETOWN, IA	C / FFP	JMC ROCK ISLAND	Dec 2015	Dec 2016	9,738	39.84	Y		Dec 2013
4.1.1) SIM, PROJ, GROUND BURST M115A2 (L594)		2016	PYROTECHNIQUE GRUCCI / RADFORD, VA	C / FFP	JMC ROCK ISLAND	Mar 2016	Jun 2017	36,696	19.71	Y		Dec 2015

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

Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	P-1 Line Item Number / Title: 0400 / Ammunition less than \$5 million
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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>)	56.251	12.270	4.271	4.469	4.674	9.143	3.067	3.094	3.130	3.156	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	56.251	12.270	4.271	4.469	4.674	9.143	3.067	3.094	3.130	3.156	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	56.251	12.270	4.271	4.469	4.674	9.143	3.067	3.094	3.130	3.156	Continuing	Continuing
<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>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program provides funding for ammunition with value less than \$5 million.

[P40A / (A5010) MK-58 MARINE LOCATION MARKERS]: Marine Location Markers include both air-launched and hand-launched pyrotechnic devices. The aircraft launched units visually assist in the location of sonobouys during anti-submarine operations. The hand launched units are used in a variety of situations to include Search and Rescue operations, Man Overboard drills and Target Marking. The MK-58 was designed for day or night use in any condition calling for long burning, smoke and flame reference-point marking on the ocean. It produces yellow flame and white smoke for 40-60 minutes, which is visible for at least three miles under normal operating conditions.

[P40A / (A5011) LUU-19 PARAFLARES]: The LUU-19 Aircraft Parachute Flares are used for near infrared nighttime illumination of surface areas in search and attack operations. They are 36 inches long, 4.9 inches in diameter and weigh approximately 36 pounds, and provide 7 minutes illumination at approximately 650 watts/steradian in the infrared region.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy							Date: February 2015	
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition					P-1 Line Item Number / Title: 0400 / Ammunition less than \$5 million			
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 (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
Ammunition less than \$5 million	P-40a, P-5a, P-21		- / 56.251	- / 12.270	- / 4.271	- / 4.469	- / 4.674	- / 9.143
Total Gross/Weapon System Cost			- / 56.251	- / 12.270	- / 4.271	- / 4.469	- / 4.674	- / 9.143
*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: FY16 baseline funding is required to procure MK-58 Marine Location Markers (MLMs) to enable day and night Search and Rescue operations and target marking from aircraft and surface combatants as well as to procure LUU-19 Aircraft Parachute Flares (APFs) to enable near-infrared illumination of target areas during night-time ground force engagements and Close Air Support (CAS) operations. Additionally, FY16 baseline funding is required for MLM and APF production support. OCO: FY2016 Overseas Contingency Operations (OCO) funding is required to replenish LUU-19 APFs that were expended during combat operations in support of Operation Freedom's Sentinel (OFS). FY16 OCO funding is also required for production engineering support of APFs procured and produced to replenish OCO expenditures. Failure to replenish LUU-19 APF expenditures will significantly diminish the US Marine Corps' ability to conduct night-time ground combat and CAS operations.								

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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: 1508N / 01 / 1									P-1 Line Item Number / Title: 0400 / Ammunition less than \$5 million						Aggregated Items Title: Ammunition 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) HARDWARE																				
1.1) (A5010) MK-58 MARINE LOCATION MARKERS ^(†)	A		1,093.32	23,404	25.588	200.75	5,729	1.150	207.72	5,392	1.120	211.87	5,631	1.193	-	-	-	211.87	5,631	1.193
1.2) (A5011) LUU-19 PARAFIARES ^{(†)(†)}	A		1,429.38	9,777	13.975	1,602.50	6,643	10.645	1,631.47	1,694	2.764	1,658.65	1,716	2.846	1,658.65	2,818	4.674	1,658.65	4,534	7.520
1.3) (A5894) Miscellaneous	A		-	-	0.327	-	-	0.052	-	-	0.032	-	-	0.031	-	-	-	-	-	0.031
Subtotal: 1) HARDWARE			-	-	39.890	-	-	11.847	-	-	3.916	-	-	4.070	-	-	4.674	-	-	8.744
2) PRODUCTION SUPPORT																				
2.1) (A5820) Mk-58 Marine Location Marker Support	A		-	-	16.200	-	-	0.340	-	-	0.271	-	-	0.313	-	-	-	-	-	0.313
2.2) (A5820) LUU-19 Parafires Support	A		-	-	0.161	-	-	0.083	-	-	0.084	-	-	0.086	-	-	-	-	-	0.086
Subtotal: 2) PRODUCTION SUPPORT			-	-	16.361	-	-	0.423	-	-	0.355	-	-	0.399	-	-	-	-	-	0.399
Total			-	-	56.251	-	-	12.270	-	-	4.271	-	-	4.469	-	-	4.674	-	-	9.143

^(†) indicates the presence of a P-5a

Footnotes:

⁽¹⁾ Unit Cost varies depending on total quantities from the United States Air Force (USAF) and United States Navy (USN).

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Exhibit P-5a, Procurement History and Planning: PB 2016 Navy								Date: February 2015				
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1				P-1 Line Item Number / Title: 0400 / Ammunition less than \$5 million				Aggregated Items: Ammunition less than \$5 million				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) HARDWARE												
1.1) (A5010) MK-58 MARINE LOCATION MARKERS ^(†)		2013	HFI PYROTECHNICS INC / Ontario, Canada	SS / FFP	Crane, IN	Mar 2013	Mar 2014	5,267	242.26	Y		Jun 2012
1.1) (A5010) MK-58 MARINE LOCATION MARKERS ^(†)		2014 (2)	HFI PYROTECHNICS INC / Ontario, Canada	SS / FFP	Crane, IN	Mar 2015	Mar 2016	5,729	200.75	Y		Jun 2012
1.1) (A5010) MK-58 MARINE LOCATION MARKERS ^(†)		2015	HFI PYROTECHNICS INC / Ontario, Canada	SS / FFP	Crane, IN	Mar 2015	Mar 2016	5,392	207.72	Y		Jun 2012
1.1) (A5010) MK-58 MARINE LOCATION MARKERS ^(†)		2016	HFI PYROTECHNICS INC / Ontario, Canada	SS / FFP	Crane, IN	Mar 2016	Mar 2017	5,631	211.87	Y		Jun 2012
1.2) (A5011) LUU-19 PARAFLARES ^{(1)(†)}		2013 (3)	ATK Launch Systems Inc. / Brigham, UTAH	SS / FFP	Rock Island, IL	Sep 2014	Sep 2015	1,057	1,577.00	Y		Oct 2011
1.2) (A5011) LUU-19 PARAFLARES ^{(1)(†)}	✓	2013 (4)	ATK Launch Systems Inc. / Brigham, UTAH	SS / FFP	Rock Island, IL	Sep 2014	Sep 2015	4,000	1,577.00	Y		Oct 2011
1.2) (A5011) LUU-19 PARAFLARES ^{(1)(†)}		2014 (5)	ATK Launch Systems Inc. / Brigham, UTAH	SS / FFP	Rock Island, IL	Oct 2014	Oct 2015	1,843	1,602.50	Y		May 2014
1.2) (A5011) LUU-19 PARAFLARES ^{(1)(†)}	✓	2014 (6)	ATK Launch Systems Inc. / Brigham, UTAH	SS / FFP	Rock Island, IL	Oct 2014	Oct 2015	4,800	1,602.50	Y		May 2014
1.2) (A5011) LUU-19 PARAFLARES ^{(1)(†)}	✓	2015	ATK Launch Systems Inc. / Brigham, UTAH	SS / FFP	Rock Island, IL	Mar 2015	Mar 2016	1,694	1,631.47	Y		May 2014
1.2) (A5011) LUU-19 PARAFLARES ^{(1)(†)}		2016	ATK Launch Systems Inc. / Brigham, UTAH	SS / FFP	Rock Island, IL	Mar 2016	Mar 2017	1,716	1,658.65	Y		May 2014
1.2) (A5011) LUU-19 PARAFLARES ^{(1)(†)}	✓	2016	ATK Launch Systems Inc. / Brigham, UTAH	SS / FFP	Rock Island, IL	Mar 2016	Mar 2017	2,818	1,658.65	Y		May 2014
^(†) indicates the presence of a P-21 Footnotes: ⁽²⁾ Due to First Article Test failure, contract was delayed. ⁽³⁾ Delayed contract award due to re-compete of USAF-led contract. ⁽⁴⁾ Delayed contract award due to re-compete of USAF-led contract. ⁽⁵⁾ Delayed contract award due to re-compete of USAF-led contract. ⁽⁶⁾ Delayed contract award due to re-compete of USAF-led contract.												

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015									
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0400 / Ammunition less than \$5 million													Aggregated Items: Ammunition less than \$5 million									
Items <i>(Units in Each)</i>							Fiscal Year 2013												Fiscal Year 2014													
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	Calendar Year 2013												Calendar Year 2014												B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
1) HARDWARE																																
1.1) (A5010) MK-58 MARINE LOCATION MARKERS																																
Prior Years Deliveries: 18137																																
	41	2013	NAVY	5,267	-	5,267							A -	-	-	-	-	-	-	-	-	-	-	-	500	500	500	500	500	500	500	1,767
	41	2014	NAVY	5,729	-	5,729																										5,729
	41	2015	NAVY	5,392	-	5,392																										5,392
	41	2016	NAVY	5,631	-	5,631																										5,631
1.2) (A5011) LUU-19 PARAFLARES ⁽¹⁾																																
Prior Years Deliveries: 4720																																
	42	2013	NAVY	1,057	-	1,057																								A -	1,057	
✓	42	2013	NAVY	4,000	-	4,000																								A -	4,000	
	42	2014	NAVY	1,843	-	1,843																										1,843
✓	42	2014	NAVY	4,800	-	4,800																										4,800
✓	42	2015	NAVY	1,694	-	1,694																										1,694
	42	2016	NAVY	1,716	-	1,716																										1,716
✓	42	2016	NAVY	2,818	-	2,818																										2,818
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015								
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0400 / Ammunition less than \$5 million													Aggregated Items: Ammunition less than \$5 million								
Items <i>(Units in Each)</i>							Fiscal Year 2015										Fiscal Year 2016														
O C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015										Calendar Year 2016										B A L				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P
1) HARDWARE																															
1.1) (A5010) MK-58 MARINE LOCATION MARKERS																															
Prior Years Deliveries: 18137																															
	41	2013	NAVY	5,267	3,500	1,767	500	500	500	267																				-	
	41	2014	NAVY	5,729	-	5,729						A -	-	-	-	-	-	-	-	-	-	-	-	500	500	500	500	500	500	2,229	
	41	2015	NAVY	5,392	-	5,392						A -	-	-	-	-	-	-	-	-	-	-	500	500	500	500	500	500	500	1,892	
	41	2016	NAVY	5,631	-	5,631																	A -	-	-	-	-	-	-	5,631	
1.2) (A5011) LUU-19 PARAFLARES ⁽¹⁾																															
Prior Years Deliveries: 4720																															
	42	2013	NAVY	1,057	-	1,057	-	-	-	-	-	-	-	-	-	-	88	88	88	88	88	88	88	88	88	88	88	89		-	
✓	42	2013	NAVY	4,000	-	4,000	-	-	-	-	-	-	-	-	-	-	333	333	333	333	333	333	333	333	333	334	334	334	334		-
	42	2014	NAVY	1,843	-	1,843	A -	-	-	-	-	-	-	-	-	-	-	149	154	154	154	154	154	154	154	154	154	154	154	-	
✓	42	2014	NAVY	4,800	-	4,800	A -	-	-	-	-	-	-	-	-	-	-	400	400	400	400	400	400	400	400	400	400	400	400	-	
✓	42	2015	NAVY	1,694	-	1,694						A -	-	-	-	-	-	-	-	-	-	-	141	141	141	141	141	141	141	707	
	42	2016	NAVY	1,716	-	1,716																	A -	-	-	-	-	-	-	1,716	
✓	42	2016	NAVY	2,818	-	2,818																	A -	-	-	-	-	-	-	2,818	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

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Exhibit P-21, Production Schedule: PB 2016 Navy																							Date: February 2015										
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1										P-1 Line Item Number / Title: 0400 / Ammunition less than \$5 million													Aggregated Items: Ammunition less than \$5 million										
Items (Units in Each)							Fiscal Year 2017												Fiscal Year 2018														
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 6	BAL DUE AS OF 1 OCT						Calendar Year 2017										Calendar Year 2018										B A L	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
1) HARDWARE																																	
1.1) (A5010) MK-58 MARINE LOCATION MARKERS																																	
Prior Years Deliveries: 18137																																	
	41	2013	NAVY	5,267	5,267	-																											-
	41	2014	NAVY	5,729	3,500	2,229	500	500	500	500	229																						-
	41	2015	NAVY	5,392	3,500	1,892	500	500	500	392																							-
	41	2016	NAVY	5,631	-	5,631	-	-	-	-	-	469	469	469	469	469	469	469	469	469	470	470	470						-				
1.2) (A5011) LUU-19 PARAFLARES ⁽¹⁾																																	
Prior Years Deliveries: 4720																																	
	42	2013	NAVY	1,057	1,057	-																											-
✓	42	2013	NAVY	4,000	4,000	-																											-
	42	2014	NAVY	1,843	1,843	-																											-
✓	42	2014	NAVY	4,800	4,800	-																											-
✓	42	2015	NAVY	1,694	987	707	141	141	141	142	142																						-
	42	2016	NAVY	1,716	-	1,716	-	-	-	-	-	143	143	143	143	143	143	143	143	143	143	143	143	143						-			
✓	42	2016	NAVY	2,818	-	2,818	-	-	-	-	-	234	234	235	235	235	235	235	235	235	235	235	235	235						-			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L		

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Exhibit P-21, Production Schedule: PB 2016 Navy									Date: February 2015			
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1					P-1 Line Item Number / Title: 0400 / Ammunition less than \$5 million				Aggregated Items: Ammunition less than \$5 million			
		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	HFI PYROTECHNICS INC - Ontario, Canada	3,000	4,000	15,000	-	-	-	-	-	6	12	18
2	ATK Launch Systems Inc. - Brigham, UTAH	750	3,000	15,000	-	-	-	-	-	6	12	18

"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).