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

February 2015

Navy

Justification Book Volume 3 of 5

Other Procurement, Navy

Budget Activity 03

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.

Volume 3 Table of Contents

Introduction and Explanation of Contents ..... **Volume 3 - iii**

Comptroller Exhibit P-1 ..... **Volume 3 - v**

Master Line Item Table of Contents (by Appropriation then Line Number) ..... **Volume 3 - xxxi**

Master Line Item Table of Contents (Alphabetically by Line Item Title) ..... **Volume 3 - xliii**

Line Item Table of Contents (by Appropriation then Line Number) ..... **Volume 3 - liii**

Line Item Table of Contents (Alphabetically by Line Item Title) ..... **Volume 3 - lv**

Exhibit P-40s ..... **Volume 3 - 1**

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Other Procurement, Navy

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

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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
Other Procurement, Navy	5,689,605	5,846,558	123,710	5,970,268
Total Department of the Navy	5,689,605	5,846,558	123,710	5,970,268

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
Other Procurement, Navy	6,614,715	12,186	6,626,901
Total Department of the Navy	6,614,715	12,186	6,626,901

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

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

09 Jan 2015

Appropriation: Other Procurement, Navy

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

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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: Other Procurement, Navy

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

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

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

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

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Department of the Navy
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09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

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

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09 Jan 2015

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

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(Dollars in Thousands)

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

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

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Department of the Navy
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	Other Ship Support										
32	Nuclear Alterations	A		106,328		118,129				118,129	U
33	LCS Common Mission Modules Equipment			35,966		30,938				30,938	U
34	LCS MCM Mission Modules			34,885		15,270				15,270	U
35	LCS SUW Mission Modules			19,481		14,750				14,750	U
36	Remote Minehunting System (RMS)	A									U
	Logistic Support										
37	LSD Midlife			73,420							U
	Total Ships Support Equipment			1,451,727		1,826,087		8,210		1,834,297	
	Budget Activity 02: Communications & Electronics Equip										
	Ship Sonars										
38	SPQ-9B Radar	A		27,934		26,735				26,735	U
39	AN/SQQ-89 Surf ASW Combat System	A		83,231		78,802				78,802	U
40	SSN Acoustics	A		175,852		160,932				160,932	U
41	Undersea Warfare Support Equipment	A		15,869		4,663				4,663	U
42	Sonar Switches and Transducers	A		12,953		11,621				11,621	U
43	Electronic Warfare MILDEC	A		8,958							U
	ASW Electronic Equipment										
44	Submarine Acoustic Warfare System	A		20,937		22,721				22,721	U
45	SSTD	A				10,653				10,653	U
46	Fixed Surveillance System	A		94,338		170,831				170,831	U

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(Dollars in Thousands)

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

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Department of the Navy
FY 2016 President's Budget
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(Dollars in Thousands)

09 Jan 2015

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47	SURTASS	A		9,545		9,619				9,619	U
48	Maritime Patrol and Reconnsaisance Force	A		18,130		14,390				14,390	U
	Electronic Warfare Equipment										
49	AN/SLQ-32	A		150,353		195,082				195,082	U
	Reconnaissance Equipment										
50	Shipboard IW Exploit	A		100,736		123,362				123,362	U
51	Automated Identification System (AIS)			896		164				164	U
	Submarine Surveillance Equipment										
52	Submarine Support Equipment Prog	A		44,464		36,938				36,938	U
	Other Ship Electronic Equipment										
53	Cooperative Engagement Capability	B		29,592		33,939				33,939	U
54	Trusted Information System (TIS)			396		324				324	U
55	Naval Tactical Command Support System (NTCSS)	A		14,302		18,192				18,192	U
56	ATDLS	A		3,836		16,768				16,768	U
57	Navy Command and Control System (NCCS)			7,201		5,219				5,219	U
58	Minesweeping System Replacement	A		54,900		40,482				40,482	U
59	Shallow Water MCM	B		12,748							U
60	Navstar GPS Receivers (SPACE)	A		11,765		15,232				15,232	U
61	American Forces Radio and TV Service	A		6,483		4,524				4,524	U
62	Strategic Platform Support Equip	A		7,631		6,382				6,382	U

Department of the Navy
FY 2016 President's Budget
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(Dollars in Thousands)

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

Department of the Navy
FY 2016 President's Budget
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	Training Equipment										
63	Other Training Equipment	A		40,644		42,810				42,810	U
	Aviation Electronic Equipment										
64	Matcals	A		8,953		16,999				16,999	U
65	Shipboard Air Traffic Control	B		8,675		9,366				9,366	U
66	Automatic Carrier Landing System	A		20,758		21,357				21,357	U
67	National Air Space System	B		16,870		26,639				26,639	U
68	Fleet Air Traffic Control Systems	A		8,909		9,214				9,214	U
69	Landing Systems	A		13,486		13,902				13,902	U
70	ID Systems	A		34,818		28,543				28,543	U
71	Naval Mission Planning Systems	A		14,131		13,950				13,950	U
	Other Shore Electronic Equipment										
72	Deployable Joint Command & Control	A		3,249		1,205				1,205	U
73	Maritime Integrated Broadcast System			11,646		3,447				3,447	U
74	Tactical/Mobile C4I Systems	A		22,817		16,766				16,766	U
75	DCGS-N	A		17,350		23,649				23,649	U
76	CANES			325,340		335,989				335,989	U
77	RADIAC	A		9,835		5,153				5,153	U
78	CANES-Intell			55,262		61,215				61,215	U
79	GPETE	A		6,253		6,284				6,284	U
80	MASF										U

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Appropriation: 1810N Other Procurement, Navy

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

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81	Integ Combat System Test Facility	A		8,143		4,016				4,016	U
82	EMI Control Instrumentation	A		4,664		4,113				4,113	U
83	Items Less Than $5 Million	A		64,642		58,365		5,870		64,235	U
	Shipboard Communications										
84	Shipboard Tactical Communications	A				14,410				14,410	U
85	Ship Communications Automation	A		23,877		20,830				20,830	U
86	Communications Items Under $5M	A		28,941		14,145				14,145	U
	Submarine Communications										
87	Submarine Broadcast Support	A		7,856		11,057				11,057	U
88	Submarine Communication Equipment	A		64,376		64,954				64,954	U
	Satellite Communications										
89	Satellite Communications Systems	A		27,381		11,453				11,453	U
90	Navy Multiband Terminal (NMT)			183,620		247,617				247,617	U
	Shore Communications										
91	JCS Communications Equipment	A		4,463		4,369				4,369	U
92	Electrical Power Systems	A		778		1,402				1,402	U
	Cryptographic Equipment										
93	Info Systems Security Program (ISSP)	A		125,902		108,002				108,002	U
94	MIO Intel Exploitation Team	A		1,000		979				979	U
	Cryptologic Equipment										
95	Cryptologic Communications Equip	A		12,251		11,502				11,502	U

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Appropriation: 1810N Other Procurement, Navy

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

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

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

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

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

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

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

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

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

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

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

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

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

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

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

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

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

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

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO) Quantity	FY 2014 (Base & OCO) Cost	FY 2015 Base Enacted Quantity	FY 2015 Base Enacted Cost	FY 2015 OCO Enacted Quantity	FY 2015 OCO Enacted Cost	FY 2015 Total Enacted Quantity	FY 2015 Total Enacted Cost	Sec
126	Submarine ASW Support Equipment	A		3,913							U
127	Surface ASW Support Equipment	A		3,909							U
128	ASW Range Support Equipment	A		28,694							U
	Other Ordnance Support Equipment										
129	Explosive Ordnance Disposal Equip	B		148,516		20,619		103,930		124,549	U
130	Items Less Than $5 Million	A		14,180		10,759				10,759	U
	Other Expendable Ordnance										
131	Anti-Ship Missile Decoy System	A		62,361							U
132	Surface Training Device Mods	A		43,213							U
133	Submarine Training Device Mods	A		26,672							U
134	Training Device Mods	A				70,672				70,672	U
	Total Ordnance Support Equipment			871,905		581,412		103,930		685,342	
	Budget Activity 05: Civil Engineering Support Equip										
	Civil Engineering Support Equipment										
135	Passenger Carrying Vehicles	A		4,480		2,282				2,282	U
136	General Purpose Trucks	A		3,817		547				547	U
137	Construction & Maintenance Equip	A		12,651		6,187				6,187	U
138	Fire Fighting Equipment	A		14,748		14,621				14,621	U
139	Tactical Vehicles	B		7,039		957				957	U
140	Amphibious Equipment	A		5,741		8,187				8,187	U
141	Pollution Control Equipment	A		3,852		2,942				2,942	U

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

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

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

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

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

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

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

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

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

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

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

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

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

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

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2014 (Base & OCO) Quantity	FY 2014 (Base & OCO) Cost	FY 2015 Base Enacted Quantity	FY 2015 Base Enacted Cost	FY 2015 OCO Enacted Quantity	FY 2015 OCO Enacted Cost	FY 2015 Total Enacted Quantity	FY 2015 Total Enacted Cost	Sec
156	Environmental Support Equipment	A		18,276		21,001				21,001	U
157	Physical Security Equipment	A		116,577		90,957				90,957	U
159	Enterprise Information Technology	A		186,427		87,214				87,214	U
	Other										
160	Next Generation Enterprise Service	A				106,165				106,165	U
999	Classified Programs			12,140		10,847		2,400		13,247	U
	Total Personnel & Command Support Equip			432,019		379,307				381,707	
	Budget Activity 08: Spares and Repair Parts										
	Spares and Repair Parts										
161	Spares and Repair Parts	A		245,716		325,084				325,084	U
	Total Spares and Repair Parts			245,716		325,084				325,084	
	Total Other Procurement, Navy			5,689,605		5,846,558		123,710		5,970,268	

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

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

09 Jan 2015

Appropriation: 1810N Other Procurement, Navy

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

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

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

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
1	01	01	0110	LM-2500 Gas Turbine	Volume 1 - 1
2	01	01	0120	Allison 501K Gas Turbine	Volume 1 - 15
3	01	01	0140	Hybrid Electric Drive (HED)	Volume 1 - 27
4	01	02	0200	Surface Combatant HM&E	Volume 1 - 33
5	01	06	0670	Other Navigation Equipment	Volume 1 - 67
6	01	08	0831	Sub Periscopes & Imaging Equip	Volume 1 - 113
7	01	09	0900	DDG Mod	Volume 1 - 143
8	01	09	0910	Firefighting Equipment	Volume 1 - 199
9	01	09	0925	Command and Control Switchboard	Volume 1 - 219
10	01	09	0933	LHA/LHD Midlife	Volume 1 - 227
11	01	09	0934	LCC 19/20 Extended Service Life Program	Volume 1 - 245
12	01	09	0935	Pollution Control Equipment	Volume 1 - 265
13	01	09	0941	Submarine Support Equipment	Volume 1 - 277
14	01	09	0942	Virginia Class Support Equipment	Volume 1 - 295
15	01	09	0944	LCS Class Support Equipment	Volume 1 - 329
16	01	09	0945	Submarine Batteries	Volume 1 - 345

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
17	01	09	0946	LPD Class Support Equipment	Volume 1 - 363
18	01	09	0950	Strategic Platform Support Equip	Volume 1 - 385
19	01	09	0955	Deep Subm Sys Proj (DSSP) Equip	Volume 1 - 403
20	01	09	0960	CG Modernization	Volume 1 - 409
21	01	09	0970	LCAC	Volume 1 - 443
22	01	09	0977	Underwater EOD Programs	Volume 1 - 447
23	01	09	0981	Items less than $5 Million	Volume 1 - 461
24	01	09	0989	Chemical Warfare Detectors	Volume 1 - 515
25	01	09	0990	Submarine Life Support System	Volume 1 - 533
26	01	10	1010	Reactor Power Units	Volume 1 - 543
27	01	10	1020	Reactor Components	Volume 1 - 547
28	01	11	1130	Diving and Salvage Equipment	Volume 1 - 551
29	01	12	1210	Standard Boats	Volume 1 - 571
30	01	13	1320	Other Ships Training Equipment	Volume 1 - 587
31	01	14	1445	Operating Forces IPE	Volume 1 - 591
32	01	15	1480	Nuclear Alterations	Volume 1 - 601
33	01	15	1600	LCS Common Mission Modules Equipment	Volume 1 - 605
34	01	15	1601	LCS MCM Mission Modules	Volume 1 - 621

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
35	01	15	1603	LCS SUW Mission Modules	Volume 1 - 633
36	01	15	1605	Remote Minehunting System (RMS)	Volume 1 - 643
37	01	16	1610	LSD Midlife	Volume 1 - 653

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
38	02	02	2026	SPQ-9B Radar	Volume 2 - 1
39	02	02	2136	AN/SQQ-89 Surf ASW Cmbt Sys	Volume 2 - 13
40	02	02	2147	SSN Acoustics	Volume 2 - 39
41	02	02	2176	Undersea Warfare Support Equipment	Volume 2 - 79
42	02	02	2181	Sonar Switches and Transducers	Volume 2 - 91
43	02	02	2188	Electronic Warfare MILDEC	Volume 2 - 101
44	02	03	2210	Submarine Acoustic Warfare System	Volume 2 - 109
45	02	03	2213	Surface Ship Torpedo Def (SSTD)	Volume 2 - 137
46	02	03	2225	Fixed Surveillance System	Volume 2 - 159
47	02	03	2237	SURTASS	Volume 2 - 163

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
48	02	03	2246	Maritime Patrol and Reconnaisance Force	Volume 2 - 189
49	02	04	2312	AN/SLQ-32	Volume 2 - 205
50	02	05	2360	Shipboard IW Exploit	Volume 2 - 237
51	02	05	2361	Automatic Identification System (AIS)	Volume 2 - 273
52	02	06	2560	Submarine Supt Equip Prog	Volume 2 - 277
53	02	07	2606	Cooperative Engagement Capability	Volume 2 - 317
54	02	07	2608	Trusted Information System (TIS)	Volume 2 - 345
55	02	07	2611	Naval Tact Cmd Supt Sys (NTCSS)	Volume 2 - 349
56	02	07	2614	Adv Tact Data Link Sys (ATDLS)	Volume 2 - 359
57	02	07	2618	Navy Command and Control System (NCCS)	Volume 2 - 373
58	02	07	2622	Minesweeping System Replacement	Volume 2 - 383
59	02	07	2624	Shallow Water Mine CM Ship	Volume 2 - 397
60	02	07	2657	NAVSTAR GPS Receivers (Space)	Volume 2 - 407
61	02	07	2666	American Forces Radio and TV Service (AFRTS)	Volume 2 - 419
62	02	07	2676	Strategic Platform Support Equip	Volume 2 - 425
63	02	08	2762	Other Training Equipment	Volume 2 - 429
64	02	09	2815	MATCALS	Volume 2 - 449
65	02	09	2831	Shipboard Air Traffic Control	Volume 2 - 461

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
66	02	09	2832	Automatic Carrier Landing System	Volume 2 - 469
67	02	09	2840	National Air Space System	Volume 2 - 503
68	02	09	2845	Fleet Air Traffic Control Systems	Volume 2 - 529
69	02	09	2846	Landing Systems	Volume 2 - 535
70	02	09	2851	ID Systems	Volume 2 - 549
71	02	09	2876	Naval Mission Planning Systems	Volume 2 - 573
72	02	10	2804	Depl JT Cmd & Control (DJC2)	Volume 2 - 579
73	02	10	2900	Maritime Integrated Broadcast System	Volume 2 - 585
74	02	10	2906	Tactical/Mobile C4I Systems	Volume 2 - 599
75	02	10	2914	Distributed Common Ground System-Navy (DCGS-N)	Volume 2 - 611
76	02	10	2915	CANES	Volume 2 - 637
77	02	10	2920	RADIAC	Volume 2 - 665
78	02	10	2925	CANES Intell	Volume 2 - 677
79	02	10	2940	Gen Purp Elec Test Equip (GPETE)	Volume 2 - 691
80	02	10	2950	Network Tactical Common Data Link (CDL)	Volume 2 - 697
81	02	10	2960	Integ Combat System Test Facility	Volume 2 - 701
82	02	10	2970	EMI Control Instrumentation	Volume 2 - 705
83	02	10	2980	Items less than $5 Million	Volume 2 - 711

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
84	02	11	3010	Shipboard Tactical Comms	Volume 2 - 741
85	02	11	3050	Ship Communications Automation	Volume 2 - 749
86	02	11	3057	Communications Items under $5M	Volume 2 - 773
87	02	12	3107	Submarine Broadcast Support	Volume 2 - 781
88	02	12	3130	Submarine Communication Equipment	Volume 2 - 797
89	02	13	3215	Satellite Communications Systems	Volume 2 - 835
90	02	13	3216	Navy Multiband Terminal (NMT)	Volume 2 - 857
91	02	14	3302	JCS Communications Equipment	Volume 2 - 871
92	02	14	3303	Electrical Power Systems	Volume 2 - 875
93	02	15	3415	Info Systems Security Program (ISSP)	Volume 2 - 883
94	02	15	3417	MIO Intel Exploitation Team	Volume 2 - 919
95	02	16	3501	Cryptologic Communications Equip	Volume 2 - 923
96	02	17	3620	Coast Guard Equipment	Volume 2 - 933

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
97	03	01	4048	Sonobuoys - All Types	Volume 3 - 1
98	03	03	4204	Weapons Range Support Equipment	Volume 3 - 11
99	03	03	4208	Expeditionary Airfields	Volume 3 - 21
100	03	03	4213	Aircraft Support Equipment	Volume 3 - 27
101	03	03	4214	Acft Rearming Equip	Volume 3 - 69
102	03	03	4216	Acft Launch & Recovery Equip	Volume 3 - 77
103	03	03	4226	Meteorological Equipment	Volume 3 - 93
104	03	03	4242	DCRS/DPL	Volume 3 - 101
105	03	03	4244	Aviation Life Support	Volume 3 - 105
106	03	03	4248	Aviation Mine Countermeasures	Volume 3 - 117
107	03	03	4255	LAMPS MK III Shipboard Equipment	Volume 3 - 151
108	03	03	4264	Portable Electronic Maintenance Aids	Volume 3 - 157
109	03	03	4265	Other Aviation Support Equipment	Volume 3 - 163
110	03	03	4267	Autonomic Logistics Infor System (ALIS Ship Alts)	Volume 3 - 169
111	03	03	4268	Aviation Support Equipment	Volume 3 - 175

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
112	04	02	5111	Ship Gun Systems Equipment	Volume 4 - 1
113	04	02	5112	Naval Fires Control Sys	Volume 4 - 7
114	04	02	5209	Gun Fire Control Equipment	Volume 4 - 11
115	04	03	5231	Ship Missile Support Equipment	Volume 4 - 15
116	04	03	5237	NATO Seasparrow	Volume 4 - 57
117	04	03	5238	RAM GMLS	Volume 4 - 69
118	04	03	5239	Ship Self Defense System	Volume 4 - 81
119	04	03	5246	AEGIS Support Equipment	Volume 4 - 99
120	04	03	5253	Tomahawk Support Equipment	Volume 4 - 103
121	04	03	5260	Vertical Launch Systems	Volume 4 - 109
122	04	03	5265	Maritime Integrated Planning System - MIPS	Volume 4 - 123
123	04	04	5358	Strategic Missile Systems Equip	Volume 4 - 135
124	04	05	5420	SSN Combat Control Systems	Volume 4 - 155
125	04	05	5429	ASW Support Equipment	Volume 4 - 187
126	04	05	5431	Submarine ASW Support Equipment	Volume 4 - 199
127	04	05	5449	Surface ASW Support Equipment	Volume 4 - 207

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
128	04	05	5455	ASW Range Support Equipment	Volume 4 - 213
129	04	06	5509	Explosive Ordnance Disposal Equip	Volume 4 - 219
130	04	06	5543	Items Less Than $5 Million	Volume 4 - 235
131	04	07	5530	Anti-ship Missile Decoy System	Volume 4 - 241
132	04	07	5660	Surface Training Device Mods	Volume 4 - 261
133	04	07	5661	Submarine Training Device Mods	Volume 4 - 267
134	04	07	5662	Training Device Mods	Volume 4 - 289

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
135	05	01	6003	Passenger Carrying Vehicles	Volume 5 - 1
136	05	01	6007	General Purpose Trucks	Volume 5 - 11
137	05	01	6024	Construction & Maint Equip	Volume 5 - 19
138	05	01	6027	Fire Fighting Equipment	Volume 5 - 27
139	05	01	6028	Tactical Vehicles	Volume 5 - 33
140	05	01	6033	Amphibious Equipment	Volume 5 - 37

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
141	05	01	6058	Pollution Control Equipment	Volume 5 - 45
142	05	01	6060	Items under $5 million	Volume 5 - 49
143	05	01	6075	Physical Security Vehicles	Volume 5 - 59

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
144	06	01	7015	Materials Handling Equipment	Volume 5 - 63
145	06	01	7050	Other Supply Support Equipment	Volume 5 - 71
146	06	01	7066	First Destination Transportation	Volume 5 - 75
147	06	01	7069	Special Purpose Supply Systems	Volume 5 - 79

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
148	07	01	8081	Training Support Equipment	Volume 5 - 83

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
149	07	02	8106	Command Support Equipment	Volume 5 - 99
150	07	02	8108	Education Support Equipment	Volume 5 - 119
151	07	02	8109	Medical Support Equipment	Volume 5 - 129
153	07	02	8114	Naval MIP Support Equipment	Volume 5 - 137
154	07	02	8118	Operating Forces Supt Equip	Volume 5 - 141
155	07	02	8120	C4ISR Equipment	Volume 5 - 149
156	07	02	8126	Environmental Support Equipment	Volume 5 - 155
157	07	02	8128	Physical Security Equipment	Volume 5 - 167
159	07	02	8161	Enterprise Information Technology	Volume 5 - 177
160	07	05	8164	Next Generation Enterprise Service	Volume 5 - 195

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
161	08	01	9020	Spares and Repair Parts	Volume 5 - 199

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

Line Item Title	Line Item Number	Line #	BA	BSA	Page
AEGIS Support Equipment	5246	119	04	03	Volume 4 - 99
AN/SLQ-32	2312	49	02	04	Volume 2 - 205
AN/SQQ-89 Surf ASW Cmbt Sys	2136	39	02	02	Volume 2 - 13
ASW Range Support Equipment	5455	128	04	05	Volume 4 - 213
ASW Support Equipment	5429	125	04	05	Volume 4 - 187
Acft Launch & Recovery Equip	4216	102	03	03	Volume 3 - 77
Acft Rearming Equip	4214	101	03	03	Volume 3 - 69
Adv Tact Data Link Sys (ATDLS)	2614	56	02	07	Volume 2 - 359
Aircraft Support Equipment	4213	100	03	03	Volume 3 - 27
Allison 501K Gas Turbine	0120	2	01	01	Volume 1 - 15
American Forces Radio and TV Service (AFRTS)	2666	61	02	07	Volume 2 - 419
Amphibious Equipment	6033	140	05	01	Volume 5 - 37
Anti-ship Missile Decoy System	5530	131	04	07	Volume 4 - 241
Automatic Carrier Landing System	2832	66	02	09	Volume 2 - 469
Automatic Identification System (AIS)	2361	51	02	05	Volume 2 - 273
Autonomic Logistics Infor System (ALIS Ship Alts)	4267	110	03	03	Volume 3 - 169
Aviation Life Support	4244	105	03	03	Volume 3 - 105

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Aviation Mine Countermeasures	4248	106	03	03	Volume 3 - 117
Aviation Support Equipment	4268	111	03	03	Volume 3 - 175
C4ISR Equipment	8120	155	07	02	Volume 5 - 149
CANES	2915	76	02	10	Volume 2 - 637
CANES Intell	2925	78	02	10	Volume 2 - 677
CG Modernization	0960	20	01	09	Volume 1 - 409
Chemical Warfare Detectors	0989	24	01	09	Volume 1 - 515
Coast Guard Equipment	3620	96	02	17	Volume 2 - 933
Command Support Equipment	8106	149	07	02	Volume 5 - 99
Command and Control Switchboard	0925	9	01	09	Volume 1 - 219
Communications Items under $5M	3057	86	02	11	Volume 2 - 773
Construction & Maint Equip	6024	137	05	01	Volume 5 - 19
Cooperative Engagement Capability	2606	53	02	07	Volume 2 - 317
Cryptologic Communications Equip	3501	95	02	16	Volume 2 - 923
DCRS/DPL	4242	104	03	03	Volume 3 - 101
DDG Mod	0900	7	01	09	Volume 1 - 143
Deep Subm Sys Proj (DSSP) Equip	0955	19	01	09	Volume 1 - 403
Depl JT Cmd & Control (DJC2)	2804	72	02	10	Volume 2 - 579
Distributed Common Ground System-Navy (DCGS-N)	2914	75	02	10	Volume 2 - 611
Diving and Salvage Equipment	1130	28	01	11	Volume 1 - 551

Line Item Title	Line Item Number	Line #	BA	BSA	Page
EMI Control Instrumentation	2970	82	02	10	Volume 2 - 705
Education Support Equipment	8108	150	07	02	Volume 5 - 119
Electrical Power Systems	3303	92	02	14	Volume 2 - 875
Electronic Warfare MILDEC	2188	43	02	02	Volume 2 - 101
Enterprise Information Technology	8161	159	07	02	Volume 5 - 177
Environmental Support Equipment	8126	156	07	02	Volume 5 - 155
Expeditionary Airfields	4208	99	03	03	Volume 3 - 21
Explosive Ordnance Disposal Equip	5509	129	04	06	Volume 4 - 219
Fire Fighting Equipment	6027	138	05	01	Volume 5 - 27
Firefighting Equipment	0910	8	01	09	Volume 1 - 199
First Destination Transportation	7066	146	06	01	Volume 5 - 75
Fixed Surveillance System	2225	46	02	03	Volume 2 - 159
Fleet Air Traffic Control Systems	2845	68	02	09	Volume 2 - 529
Gen Purp Elec Test Equip (GPETE)	2940	79	02	10	Volume 2 - 691
General Purpose Trucks	6007	136	05	01	Volume 5 - 11
Gun Fire Control Equipment	5209	114	04	02	Volume 4 - 11
Hybrid Electric Drive (HED)	0140	3	01	01	Volume 1 - 27
ID Systems	2851	70	02	09	Volume 2 - 549
Info Systems Security Program (ISSP)	3415	93	02	15	Volume 2 - 883
Integ Combat System Test Facility	2960	81	02	10	Volume 2 - 701

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Items Less Than $5 Million	5543	130	04	06	Volume 4 - 235
Items less than $5 Million	0981	23	01	09	Volume 1 - 461
Items less than $5 Million	2980	83	02	10	Volume 2 - 711
Items under $5 million	6060	142	05	01	Volume 5 - 49
JCS Communications Equipment	3302	91	02	14	Volume 2 - 871
LAMPS MK III Shipboard Equipment	4255	107	03	03	Volume 3 - 151
LCAC	0970	21	01	09	Volume 1 - 443
LCC 19/20 Extended Service Life Program	0934	11	01	09	Volume 1 - 245
LCS Class Support Equipment	0944	15	01	09	Volume 1 - 329
LCS Common Mission Modules Equipment	1600	33	01	15	Volume 1 - 605
LCS MCM Mission Modules	1601	34	01	15	Volume 1 - 621
LCS SUW Mission Modules	1603	35	01	15	Volume 1 - 633
LHA/LHD Midlife	0933	10	01	09	Volume 1 - 227
LM-2500 Gas Turbine	0110	1	01	01	Volume 1 - 1
LPD Class Support Equipment	0946	17	01	09	Volume 1 - 363
LSD Midlife	1610	37	01	16	Volume 1 - 653
Landing Systems	2846	69	02	09	Volume 2 - 535
MATCALS	2815	64	02	09	Volume 2 - 449
MIO Intel Exploitation Team	3417	94	02	15	Volume 2 - 919
Maritime Integrated Broadcast System	2900	73	02	10	Volume 2 - 585

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Maritime Integrated Planning System - MIPS	5265	122	04	03	Volume 4 - 123
Maritime Patrol and Reconnaisance Force	2246	48	02	03	Volume 2 - 189
Materials Handling Equipment	7015	144	06	01	Volume 5 - 63
Medical Support Equipment	8109	151	07	02	Volume 5 - 129
Meteorological Equipment	4226	103	03	03	Volume 3 - 93
Minesweeping System Replacement	2622	58	02	07	Volume 2 - 383
NATO Seasparrow	5237	116	04	03	Volume 4 - 57
NAVSTAR GPS Receivers (Space)	2657	60	02	07	Volume 2 - 407
National Air Space System	2840	67	02	09	Volume 2 - 503
Naval Fires Control Sys	5112	113	04	02	Volume 4 - 7
Naval MIP Support Equipment	8114	153	07	02	Volume 5 - 137
Naval Mission Planning Systems	2876	71	02	09	Volume 2 - 573
Naval Tact Cmd Supt Sys (NTCSS)	2611	55	02	07	Volume 2 - 349
Navy Command and Control System (NCCS)	2618	57	02	07	Volume 2 - 373
Navy Multiband Terminal (NMT)	3216	90	02	13	Volume 2 - 857
Network Tactical Common Data Link (CDL)	2950	80	02	10	Volume 2 - 697
Next Generation Enterprise Service	8164	160	07	05	Volume 5 - 195
Nuclear Alterations	1480	32	01	15	Volume 1 - 601
Operating Forces IPE	1445	31	01	14	Volume 1 - 591
Operating Forces Supt Equip	8118	154	07	02	Volume 5 - 141

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Other Aviation Support Equipment	4265	109	03	03	Volume 3 - 163
Other Navigation Equipment	0670	5	01	06	Volume 1 - 67
Other Ships Training Equipment	1320	30	01	13	Volume 1 - 587
Other Supply Support Equipment	7050	145	06	01	Volume 5 - 71
Other Training Equipment	2762	63	02	08	Volume 2 - 429
Passenger Carrying Vehicles	6003	135	05	01	Volume 5 - 1
Physical Security Equipment	8128	157	07	02	Volume 5 - 167
Physical Security Vehicles	6075	143	05	01	Volume 5 - 59
Pollution Control Equipment	0935	12	01	09	Volume 1 - 265
Pollution Control Equipment	6058	141	05	01	Volume 5 - 45
Portable Electronic Maintenance Aids	4264	108	03	03	Volume 3 - 157
RADIAC	2920	77	02	10	Volume 2 - 665
RAM GMLS	5238	117	04	03	Volume 4 - 69
Reactor Components	1020	27	01	10	Volume 1 - 547
Reactor Power Units	1010	26	01	10	Volume 1 - 543
Remote Minehunting System (RMS)	1605	36	01	15	Volume 1 - 643
SPQ-9B Radar	2026	38	02	02	Volume 2 - 1
SSN Acoustics	2147	40	02	02	Volume 2 - 39
SSN Combat Control Systems	5420	124	04	05	Volume 4 - 155
SURTASS	2237	47	02	03	Volume 2 - 163

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Satellite Communications Systems	3215	89	02	13	Volume 2 - 835
Shallow Water Mine CM Ship	2624	59	02	07	Volume 2 - 397
Ship Communications Automation	3050	85	02	11	Volume 2 - 749
Ship Gun Systems Equipment	5111	112	04	02	Volume 4 - 1
Ship Missile Support Equipment	5231	115	04	03	Volume 4 - 15
Ship Self Defense System	5239	118	04	03	Volume 4 - 81
Shipboard Air Traffic Control	2831	65	02	09	Volume 2 - 461
Shipboard IW Exploit	2360	50	02	05	Volume 2 - 237
Shipboard Tactical Comms	3010	84	02	11	Volume 2 - 741
Sonar Switches and Transducers	2181	42	02	02	Volume 2 - 91
Sonobuoys - All Types	4048	97	03	01	Volume 3 - 1
Spares and Repair Parts	9020	161	08	01	Volume 5 - 199
Special Purpose Supply Systems	7069	147	06	01	Volume 5 - 79
Standard Boats	1210	29	01	12	Volume 1 - 571
Strategic Missile Systems Equip	5358	123	04	04	Volume 4 - 135
Strategic Platform Support Equip	0950	18	01	09	Volume 1 - 385
Strategic Platform Support Equip	2676	62	02	07	Volume 2 - 425
Sub Periscopes & Imaging Equip	0831	6	01	08	Volume 1 - 113
Submarine ASW Support Equipment	5431	126	04	05	Volume 4 - 199
Submarine Acoustic Warfare System	2210	44	02	03	Volume 2 - 109

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Submarine Batteries	0945	16	01	09	Volume 1 - 345
Submarine Broadcast Support	3107	87	02	12	Volume 2 - 781
Submarine Communication Equipment	3130	88	02	12	Volume 2 - 797
Submarine Life Support System	0990	25	01	09	Volume 1 - 533
Submarine Support Equipment	0941	13	01	09	Volume 1 - 277
Submarine Supt Equip Prog	2560	52	02	06	Volume 2 - 277
Submarine Training Device Mods	5661	133	04	07	Volume 4 - 267
Surface ASW Support Equipment	5449	127	04	05	Volume 4 - 207
Surface Combatant HM&E	0200	4	01	02	Volume 1 - 33
Surface Ship Torpedo Def (SSTD)	2213	45	02	03	Volume 2 - 137
Surface Training Device Mods	5660	132	04	07	Volume 4 - 261
Tactical Vehicles	6028	139	05	01	Volume 5 - 33
Tactical/Mobile C4I Systems	2906	74	02	10	Volume 2 - 599
Tomahawk Support Equipment	5253	120	04	03	Volume 4 - 103
Training Device Mods	5662	134	04	07	Volume 4 - 289
Training Support Equipment	8081	148	07	01	Volume 5 - 83
Trusted Information System (TIS)	2608	54	02	07	Volume 2 - 345
Undersea Warfare Support Equipment	2176	41	02	02	Volume 2 - 79
Underwater EOD Programs	0977	22	01	09	Volume 1 - 447
Vertical Launch Systems	5260	121	04	03	Volume 4 - 109

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Virginia Class Support Equipment	0942	14	01	09	Volume 1 - 295
Weapons Range Support Equipment	4204	98	03	03	Volume 3 - 11

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

Appropriation 1810N: Other Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
97	03	01	4048	Sonobuoys - All Types	Volume 3 - 1
98	03	03	4204	Weapons Range Support Equipment	Volume 3 - 11
99	03	03	4208	Expeditionary Airfields	Volume 3 - 21
100	03	03	4213	Aircraft Support Equipment	Volume 3 - 27
101	03	03	4214	Acft Rearming Equip	Volume 3 - 69
102	03	03	4216	Acft Launch & Recovery Equip	Volume 3 - 77
103	03	03	4226	Meteorological Equipment	Volume 3 - 93
104	03	03	4242	DCRS/DPL	Volume 3 - 101
105	03	03	4244	Aviation Life Support	Volume 3 - 105
106	03	03	4248	Aviation Mine Countermeasures	Volume 3 - 117
107	03	03	4255	LAMPS MK III Shipboard Equipment	Volume 3 - 151
108	03	03	4264	Portable Electronic Maintenance Aids	Volume 3 - 157
109	03	03	4265	Other Aviation Support Equipment	Volume 3 - 163
110	03	03	4267	Autonomic Logistics Infor System (ALIS Ship Alts)	Volume 3 - 169
111	03	03	4268	Aviation Support Equipment	Volume 3 - 175

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

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Acft Launch & Recovery Equip	4216	102	03	03	Volume 3 - 77
Acft Rearming Equip	4214	101	03	03	Volume 3 - 69
Aircraft Support Equipment	4213	100	03	03	Volume 3 - 27
Autonomic Logistics Infor System (ALIS Ship Alts)	4267	110	03	03	Volume 3 - 169
Aviation Life Support	4244	105	03	03	Volume 3 - 105
Aviation Mine Countermeasures	4248	106	03	03	Volume 3 - 117
Aviation Support Equipment	4268	111	03	03	Volume 3 - 175
DCRS/DPL	4242	104	03	03	Volume 3 - 101
Expeditionary Airfields	4208	99	03	03	Volume 3 - 21
LAMPS MK III Shipboard Equipment	4255	107	03	03	Volume 3 - 151
Meteorological Equipment	4226	103	03	03	Volume 3 - 93
Other Aviation Support Equipment	4265	109	03	03	Volume 3 - 163
Portable Electronic Maintenance Aids	4264	108	03	03	Volume 3 - 157
Sonobuoys - All Types	4048	97	03	01	Volume 3 - 1
Weapons Range Support Equipment	4204	98	03	03	Volume 3 - 11

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 1: Sonobuoys	**P-1 Line Item Number / Title:** 4048 / Sonobuoys - All Types

ID Code (A=Service Ready, B=Not Service Ready) : A

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
			Program Elements for Code B Items:					**Other Related Program Elements:**				
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1,009.764	177.305	182.946	168.763	-	168.763	171.509	201.086	202.384	206.665	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1,009.764	177.305	182.946	168.763	-	168.763	171.509	201.086	202.384	206.665	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,009.764**	**177.305**	**182.946**	**168.763**	**-**	**168.763**	**171.509**	**201.086**	**202.384**	**206.665**	**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:

Sonobuoys are air launched expendable, electro-mechanical sensors designed to relay underwater sounds associated with ships and submarines to remote processors. Sonobuoys by type are procured annually to maintain the OPNAV Naval Munitions Requirements Process (NMRP). The NMRP includes annual usage requirements for squadron training, readiness and current operations. Sonobuoys currently support the P-3, P-8 and H-60 platforms.

[P5 / AN/SSQ-36 (BT) QZ001]: The AN/SSQ-36 Bathythermograph (BT) is a bathythermograph sonobuoy used to provide a vertical temperature profile of the ocean with respect to depth. The data is transmitted to aircraft to assist in the selection of hydrophone depths and tactics for localizing and tracking submarines and long-range forecasts of acoustic conditions in the ocean.

[P5 / AN/SSQ-53 (DIFAR) QZ002]: The AN/SSQ-53 Directional Low Frequency Analyze and Record (DIFAR) is a passive directional sonobuoy which provides acoustic target localization.

[P5 / AN/SSQ-62 (DICASS) QZ004]: The AN/SSQ-62 Directional Command Active Sonobuoy System (DICASS) is a commandable, active acoustic directional sonobuoy that provides target bearing and range information.

[P5 / AN/SSQ-101 (ADAR) QZ006]: The AN/SSQ-101 Air Deployable Active Receiver (ADAR) is a commandable passive acoustic sonobuoy with a horizontal planar array. It is part of the family of multi-static active sensor systems.

[P5 / AN/SSQ-125 (Multistatic Coherent Source) QZ010]: The AN/SSQ-125 Multistatic Active Coherent (MAC) Source is a commandable coherent active search sensor. It is part of the family of multi-static active sensor systems.

[P5 / SUS MK84 QZ012]: The MK84 Signal Underwater Sound (SUS) device is an expendable, non-explosive, electro-acoustic device which transmits acoustic tones. The MK84 SUS is used for training and exercise signaling to submarines.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 1: Sonobuoys	**P-1 Line Item Number / Title:** 4048 / Sonobuoys - All Types
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 / Sonobuoys, All Types	P-5, P-5a, P-21		- / 1,009.764	- / 177.305	- / 182.946	- / 168.763	- / -	- / 168.763
Total Gross/Weapon System Cost			**- / 1,009.764**	**- / 177.305**	**- / 182.946**	**- / 168.763**	**- / -**	**- / 168.763**

*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:

The level of sonobuoy procurement funding enables several facets of the Navy's overall ASW mission readiness. This funding profile puts sonobuoy procurement on a trajectory to meet minimum inventory requirements for the entire family of air delivered acoustic sensors by the end of the FYDP. The Air ASW community is migrating from a primarily passive to a more capable Multi-static Active Coherent (MAC) wide area search Concept of Operations (CONOPS). While the transition to MAC requires the procurement of more sophisticated sonobuoys, the resulting wide area search capability is more efficient and effective. The MAC capability provides the foundational Air ASW acoustic search capability for the P-8 Poseidon and increasing the inventory of MAC sonobuoys is required to support the combatant commander's ASW mission execution requirements. This funding profile allows the Navy to prioritize and meet current operational forward presence requirements while maintaining fleet commander deployment readiness levels in the Anti-Submarine Warfare (ASW) mission area.

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 1	**P-1 Line Item Number / Title:** 4048 / Sonobuoys - All Types	**Item Number / Title [DODIC]:** 1 / Sonobuoys, All Types
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)*	1,009.764	177.305	182.946	168.763	-	168.763
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1,009.764	177.305	182.946	168.763	-	168.763
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,009.764**	**177.305**	**182.946**	**168.763**	**-**	**168.763**
(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 - Sonobuoys (Common) Cost																		
Recurring Cost																		
1.1.1) AN/SSQ-36 (BT) QZ001(†) (1)	594.99	6,711	3.993	660.89	4,500	2.974	648.68	2,395	1.554	660.42	2,403	1.587	-	-	-	660.42	2,403	1.587
1.1.2) AN/SSQ-53 (DIFAR) QZ002(†) (2)	757.90	203,410	154.164	721.73	110,000	79.390	741.38	95,000	70.431	936.26	77,250	72.326	-	-	-	936.26	77,250	72.326
1.1.3) AN/SSQ-62 (DICASS) QZ004(†) (3)	1,585.80	26,014	41.253	1,610.80	10,000	16.108	1,676.89	7,210	12.090	1,815.80	11,330	20.573	-	-	-	1,815.80	11,330	20.573
Subtotal: Recurring Cost	-	-	*199.410*	-	-	*98.472*	-	-	*84.075*	-	-	*94.486*	-	-	-	-	-	*94.486*
Subtotal: Hardware - Sonobuoys (Common) Cost	-	-	*199.410*	-	-	*98.472*	-	-	*84.075*	-	-	*94.486*	-	-	-	-	-	*94.486*
Hardware - Sonobuoys (Multistatic) Cost																		
Recurring Cost																		
2.1.1) AN/SSQ-101 (ADAR) QZ006(†) (4)	5,403.22	6,086	32.884	3,418.87	8,043	27.498	3,241.65	10,420	33.778	3,531.22	9,471	33.444	-	-	-	3,531.22	9,471	33.444
2.1.2) AN/SSQ-125 (Multistatic Coherent Source) QZ010(†) (5)	5,685.31	7,401	42.077	4,209.87	9,763	41.101	4,161.17	13,150	54.719	4,625.23	6,983	32.298	-	-	-	4,625.23	6,983	32.298
Subtotal: Recurring Cost	-	-	*74.961*	-	-	*68.599*	-	-	*88.497*	-	-	*65.742*	-	-	-	-	-	*65.742*
Subtotal: Hardware - Sonobuoys (Multistatic) Cost	-	-	*74.961*	-	-	*68.599*	-	-	*88.497*	-	-	*65.742*	-	-	-	-	-	*65.742*
Hardware - Sonobuoys (Other) Cost																		
Recurring Cost																		

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 1	P-1 Line Item Number / Title: 4048 / Sonobuoys - All Types	Item Number / Title [DODIC]: 1 / Sonobuoys, All Types
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) SUS MK84 QZ012(†)	-	-	-	392.20	5,000	1.961	364.88	5,150	1.879	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	*1.961*	-	-	*1.879*	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Sonobuoys (Other) Cost	-	-	-	-	-	*1.961*	-	-	*1.879*	-	-	-	-	-	-	-	-	-
Hardware - Acceptance Testing Cost																		
Recurring Cost																		
4.1.1) Common QZ860	-	-	10.117	-	-	1.957	-	-	1.746	-	-	1.764	-	-	-	-	-	1.764
4.1.2) Multistatic QZ860	-	-	3.350	-	-	2.495	-	-	2.816	-	-	2.893	-	-	-	-	-	2.893
4.1.3) Other QZ860	-	-	-	-	-	0.045	-	-	0.048	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*13.467*	-	-	*4.497*	-	-	*4.610*	-	-	*4.657*	-	-	-	-	-	*4.657*
Subtotal: Hardware - Acceptance Testing Cost	-	-	*13.467*	-	-	*4.497*	-	-	*4.610*	-	-	*4.657*	-	-	-	-	-	*4.657*
Hardware - Prior Years Cost																		
Non Recurring Cost																		
5.1.1) Prior Years	-	-	708.043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	*708.043*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Prior Years Cost	-	-	*708.043*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																		
6.1) Common QZ830	-	-	10.696	-	-	1.615	-	-	1.533	-	-	1.502	-	-	-	-	-	1.502
6.2) Multistatic QZ830	-	-	3.187	-	-	2.124	-	-	2.310	-	-	2.376	-	-	-	-	-	2.376
6.3) Other QZ830	-	-	-	-	-	0.037	-	-	0.042	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	*13.883*	-	-	*3.776*	-	-	*3.885*	-	-	*3.878*	-	-	-	-	-	*3.878*
Gross/Weapon System Cost	**-**	**-**	**1,009.764**	**-**	**-**	**177.305**	**-**	**-**	**182.946**	**-**	**-**	**168.763**	**-**	**-**	**-**	**-**	**-**	**168.763**

Remarks:

[Hardware] Actual quantities between the various sonobuoy types may adjust for Fleet requirements based on the OPNAV Naval Munitions Requirements Process (NMRP). Hardware funds may be realigned to support necessary Engineering Investigations and production Engineering Change Proposals.

[Hardware] Sonobuoys under prior subheads are not included in Prior Years amount.

(†) indicates the presence of a P-5a

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 1	**P-1 Line Item Number / Title:** 4048 / Sonobuoys - All Types	**Item Number / Title [DODIC]:** 1 / Sonobuoys, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Footnotes:

(1) AN/SSQ-36 unit cost decrease from FY14 to FY15 is due to the full incorporation of an engineering change in FY14, which resolved obsolescence and producability issues.

(2) AN/SSQ-53 unit cost increase from FY15 to FY16 is due to the incorporation of High Altitude ASW (HAASW) capabilities.

(3) AN/SSQ-62 unit cost increase from FY14 to FY15 is due to a quantity decrease. AN/SSQ-62 unit cost increase from FY15 to FY16 is due to the incorporation of High Altitude ASW (HAASW) capabilities.

(4) AN/SSQ-101 unit cost increase from FY15 to FY16 is due to the incorporation of High Altitude ASW (HAASW) capabilities.

(5) AN/SSQ-125 unit cost increases from FY15 to FY16 are due to a quantity decreases.

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 1	P-1 Line Item Number / Title: 4048 / Sonobuoys - All Types	Item Number / Title [DODIC]: 1 / Sonobuoys, All Types

Cost Elements	OCO	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) AN/SSQ-36 (BT) QZ001		2014	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Jul 2014	Jul 2015	4,500	660.89	Y		Apr 2013
1.1.1) AN/SSQ-36 (BT) QZ001		2015	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Dec 2014	Dec 2015	2,395	648.68	Y		Apr 2013
1.1.1) AN/SSQ-36 (BT) QZ001		2016	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Nov 2015	Nov 2016	2,403	660.42	Y		Apr 2013
1.1.2) AN/SSQ-53 (DIFAR) QZ002(†)		2014	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Jul 2014	Jul 2015	110,000	721.73	Y		Apr 2013
1.1.2) AN/SSQ-53 (DIFAR) QZ002(†)		2015	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Mar 2015	Mar 2016	95,000	741.38	Y		Apr 2013
1.1.2) AN/SSQ-53 (DIFAR) QZ002(†)		2016	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Nov 2015	Nov 2016	77,250	936.26	Y		Apr 2013
1.1.3) AN/SSQ-62 (DICASS) QZ004(†)		2014	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Jul 2014	Jul 2015	10,000	1,610.80	Y		Apr 2013
1.1.3) AN/SSQ-62 (DICASS) QZ004(†)		2015	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	May 2015	May 2016	7,210	1,676.89	Y		Apr 2013
1.1.3) AN/SSQ-62 (DICASS) QZ004(†)		2016	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Nov 2015	Nov 2016	11,330	1,815.80	Y		Apr 2013
2.1.1) AN/SSQ-101 (ADAR) QZ006(†)		2014	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Jul 2014	Jul 2015	8,043	3,418.87	Y		Apr 2013
2.1.1) AN/SSQ-101 (ADAR) QZ006(†)		2015	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Feb 2015	Feb 2016	10,420	3,241.65	Y		Apr 2013
2.1.1) AN/SSQ-101 (ADAR) QZ006(†)		2016	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Nov 2015	Nov 2016	9,471	3,531.22	Y		Apr 2013
2.1.2) AN/SSQ-125 (Multistatic Coherent Source) QZ010(†)		2014	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Jul 2014	Jul 2015	9,763	4,209.87	Y		Apr 2013
2.1.2) AN/SSQ-125 (Multistatic Coherent Source) QZ010(†)		2015	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Dec 2014	Dec 2015	13,150	4,161.17	Y		Apr 2013
2.1.2) AN/SSQ-125 (Multistatic Coherent Source) QZ010(†)		2016	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Nov 2015	Nov 2016	6,983	4,625.23	Y		Apr 2013
3.1.1) SUS MK84 QZ012		2014	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Jul 2014	Jul 2014	5,000	392.20	Y		Apr 2013
3.1.1) SUS MK84 QZ012		2015	ERAPSCO / Columbia City IN	C / FFP	NAWCAD	Dec 2014	Dec 2014	5,150	364.88	Y		Apr 2013

(†) indicates the presence of a P-21

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 1	**P-1 Line Item Number / Title:** 4048 / Sonobuoys - All Types	**Item Number / Title [DODIC]:** 1 / Sonobuoys, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2014												Fiscal Year 2015												
							Calendar Year 2014												Calendar Year 2015												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.2) AN/SSQ-53 (DIFAR) QZ002 (2)																															
Prior Years Deliveries: 203410																															
	1	2014	NAVY	110.000	-	110.000										A -	-	-	-	-	-	-	-	-	-	-	11.751	12.051	12.251	73.947
	1	2015	NAVY	95.000	-	95.000																		A -	-	-	-	-	-	-	95.000
	1	2016	NAVY	77.250	-	77.250																									77.250
1.1.3) AN/SSQ-62 (DICASS) QZ004 (3)																															
Prior Years Deliveries: 26014																															
	2	2014	NAVY	10.000	-	10.000										A -	-	-	-	-	-	-	-	-	-	-	1.067	1.067	1.067	6.799
	2	2015	NAVY	7.210	-	7.210																				A -	-	-	-	-	7.210
	2	2016	NAVY	11.330	-	11.330																									11.330
2.1.1) AN/SSQ-101 (ADAR) QZ006 (4)																															
Prior Years Deliveries: 6086																															
	3	2014	NAVY	8.043	-	8.043										A -	-	-	-	-	-	-	-	-	-	-	.859	.859	.859	5.466
	3	2015	NAVY	10.420	-	10.420																	A -	-	-	-	-	-	-	-	10.420
	3	2016	NAVY	9.471	-	9.471																									9.471
2.1.2) AN/SSQ-125 (Multistatic Coherent Source) QZ010 (5)																															
Prior Years Deliveries: 7401																															
	4	2014	NAVY	9.763	-	9.763										A -	-	-	-	-	-	-	-	-	-	-	1.064	1.064	1.064	6.571
	4	2015	NAVY	13.150	-	13.150															A -	-	-	-	-	-	-	-	-	-	13.150
	4	2016	NAVY	6.983	-	6.983																									6.983
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy | **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 1 | **P-1 Line Item Number / Title:** 4048 / Sonobuoys - All Types | **Item Number / Title [DODIC]:** 1 / Sonobuoys, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2016												Fiscal Year 2017												
							Calendar Year 2016															Calendar Year 2017									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.2) AN/SSQ-53 (DIFAR) QZ002 (2)																															
Prior Years Deliveries: 203410																															
	1	2014	NAVY	110.000	36.053	73.947	12.751	12.751	12.751	12.051	11.951	11.692																			-
	1	2015	NAVY	95.000	-	95.000	-	-	-	-	-	10.555	10.555	10.555	10.555	10.555	10.555	10.555	10.555	10.560											-
	1	2016	NAVY	77.250	-	77.250		A -	-	-	-	-	-	-	-	-	-	-	-	8.583	8.583	8.583	8.583	8.583	8.583	8.583	8.583	8.586			-
1.1.3) AN/SSQ-62 (DICASS) QZ004 (3)																															
Prior Years Deliveries: 26014																															
	2	2014	NAVY	10.000	3.201	6.799	1.167	1.167	1.167	1.167	1.067	1.064																			-
	2	2015	NAVY	7.210	-	7.210	-	-	-	-	-	-	-	.783	.783	.783	.833	.833	.833	.793	.783	.786									-
	2	2016	NAVY	11.330	-	11.330		A -	-	-	-	-	-	-	-	-	-	-	-	1.259	1.259	1.259	1.259	1.259	1.259	1.259	1.259	1.258			-
2.1.1) AN/SSQ-101 (ADAR) QZ006 (4)																															
Prior Years Deliveries: 6086																															
	3	2014	NAVY	8.043	2.577	5.466	.959	.959	.959	.870	.870	.849																			-
	3	2015	NAVY	10.420	-	10.420	-	-	-	-	1.116	1.116	1.116	1.216	1.216	1.216	1.216	1.170	1.038												-
	3	2016	NAVY	9.471	-	9.471		A -	-	-	-	-	-	-	-	-	-	-	-	1.021	1.021	1.021	1.050	1.121	1.087	1.050	1.050	1.050			-
2.1.2) AN/SSQ-125 (Multistatic Coherent Source) QZ010 (5)																															
Prior Years Deliveries: 7401																															
	4	2014	NAVY	9.763	3.192	6.571	1.164	1.164	1.064	1.064	1.064	1.051																			-
	4	2015	NAVY	13.150	-	13.150	-	-	1.370	1.494	1.494	1.494	1.494	1.494	1.494	1.494	1.322														-
	4	2016	NAVY	6.983	-	6.983		A -	-	-	-	-	-	-	-	-	-	-	-	.776	.776	.776	.776	.776	.776	.776	.776	.775			-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 1	**P-1 Line Item Number / Title:** 4048 / Sonobuoys - All Types	**Item Number / Title [DODIC]:** 1 / Sonobuoys, All Types

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	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	ERAPSCO - Columbia City IN	45,000	62,000	135,000	24	3	12	15	-	-	-	-
2	ERAPSCO - Columbia City IN	10,000	26,000	67,000	24	1	12	13	-	-	-	-
3	ERAPSCO - Columbia City IN	2,000	8,000	11,000	24	5	12	17	-	-	-	-
4	ERAPSCO - Columbia City IN	2,000	7,000	14,000	24	2	12	14	-	-	-	-

"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: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4204 / Weapons Range Support Equipment

ID Code (A=Service Ready, B=Not Service Ready) : A

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
			Program Elements for Code B Items:					Other Related Program Elements:				
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	441.561	50.624	47.944	46.979	-	46.979	47.742	58.686	75.277	58.931	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	441.561	50.624	47.944	46.979	-	46.979	47.742	58.686	75.277	58.931	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**441.561**	**50.624**	**47.944**	**46.979**	**-**	**46.979**	**47.742**	**58.686**	**75.277**	**58.931**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	4.478	4.307	3.423	-	3.423	3.229	3.249	3.231	3.500	Continuing	Continuing
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This budget line item provides the resources to implement the Navy Fleet Training Range (FTR) Instrumentation Program Plan. These FTRs provide the primary means of fleet combat readiness training. The plan addresses the following major procurement areas: Electronic Warfare (EW) simulators, Systems Replacement and Modernization (SRAM), and generic systems such as range computer systems, simulation, surveillance systems, Moving Land Targets (MLT), Test and Training Enabling Architecture (TENA), Targets/ Smart Targets, Tactical Combat Training System (TCTS), Undersea Warfare Training Range/ Pacific Fleet Portable ASW Range, and Mine Countermeasure (MCM) training equipment. The integral parts of these major range programs include but are not limited to the following: voice communications, weapons scoring systems, display consoles, radars, tracking subsystems, control/ computation subsystems, display/ debriefing subsystems, processors, HF/ VHF/ UHF receivers, transmitters/ transceivers, multiplexers, intercom circuits, encoding devices, frequency interface control systems, and other specialized equipment.

[P5 / SC004 SRAM - Systems Replacement and Modernization]: The SRAM program provides for the procurement of numerous non-recurring range equipment replacement and modernization efforts that are needed at all Navy training ranges. SRAM procurements replace and modernize economically unmaintainable systems and equipment in order to increase range efficiency. Funding for installation of minor equipment is required in all years for all ranges. Some procurements include antenna replacement, datalink replacement, electrical generators, and range safety lighting equipment.

[P5 / SC012 OS - Ocean Systems]: Funds the procurement and upgrade of fixed and portable underwater training ranges. The underwater ranges are used to provide individual and unit level training for basic antisubmarine warfare (ASW) skills. Large exercises such as Composite Training Unit Exercises (COMTUEX), Fleet Exercises (FLEETEX), and Joint Task Force Exercises (JTFX) are conducted in the vicinity of the fixed underwater training ranges. The Portable Underwater Training Range (PUTR) will support ASW training for Forward Deployed Naval Forces (FDNF) in the Pacific. Efforts on the previous PUTR system were completed in FY10. Items procured under this cost element include hydrophones, undersea cable, and shore system electronics. The Undersea Warfare Training Range (USWTR) will provide realistic shallow water ASW training against the diesel submarine threat. USWTR will provide approximately 500 nmi2 of operational range area on each coast. In 2010, the Navy reprioritized the USWTR program, with the East Coast range to be procured before the West Coast range. Per Congressional direction, East Coast USWTR has been broken out separately under cost code SC161. West Coast USWTR is planned for procurement under this cost code outside the current FYDP.

[P5 / SC161 OS - East Coast USWTR]: The purpose of the East Coast USWTR is to establish a shallow-water training range capability on the East Coast. The primary USWTR mission will be to support Fleet readiness through training and tactical development of submarine, surface ship, and aircraft undersea warfare (USW), surface warfare (SUW), and mine warfare (MIW). Secondary missions will include training in shallow water, regional conflict operations involving the naval special warfare (NSW), electronic warfare (EW), and amphibious warfare (AMW) mission/ operational capability areas. Additionally, joint mission areas that may be supported include joint littoral warfare and joint surveillance and warning. Previously subsumed within Ocean Systems, East Coast USWTR has been broken out separately in accordance with the FY 2007 Defense Appropriations Act. Items procured under this cost element include hydrophones, undersea cable, and shore system electronics for East Coast USWTR. End result is a single in-water training range.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4204 / Weapons Range Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:**

[P5 / SC034 LATR Shipboard Rotary Technology Upgrade]: The Large Area Tracking Range (LATR) Shipboard and Rotary Wing Technology Upgrade (LSRTU) will replace obsolete components in the legacy shipboard and rotary wing tracking instrumentation and will deliver enhanced Beyond Line of Sight (BLOS) tracking capability for Large Force Exercise support.

[P5 / SC039 TCTS - Transportable Ground Subsystem]: The Tactical Combat Training System (TCTS) will procure fixed range instrumentation equipment for both shore-based (aircrew training) and deployable (ship/sub/aircrew training) applications. TCTS instrumentation will transmit exercise scenarios; simulate/stimulate all exercise participants sensors/weapons with the exercise scenario; track all exercise participants and events, e.g., weapons engagements; and provide accurate, realistic, and timely feedback. TCTS is building on technology developed for existing tactical training range systems. TCTS consists of airborne instrumentation called Participant Subsystems and Ground Subsystems. Increment 1 systems have been procured and fielded. Future procurements will be for Increment 2 systems with encrypted communication capability.

[P5 / SC138 TCTS - Portable Ground Subsystem]: The Tactical Combat Training System (TCTS) will procure portable range instrumentation equipment for both shore-based (aircrew training) and deployable (ship/sub/aircrew training) applications. TCTS instrumentation will transmit exercise scenarios; simulate/stimulate all exercise participants sensors/weapons with the exercise scenario; track all exercise participants and events, e.g., weapons engagements; and provide accurate, realistic, and timely feedback. TCTS is building on technology developed for existing tactical training range systems. TCTS consists of airborne instrumentation called Participant Subsystems and Ground Subsystems. Increment 1 systems have been procured and fielded. Future procurements will be for Increment 2 systems with encrypted communication capability.

[P5 / SC140 TCTS - Remote Range Unit]: The Tactical Combat Training System (TCTS) will procure fixed, transportable, and mobile range instrumentation equipment for both shore-based (aircrew training) and deployable (ship/sub/aircrew training) applications. TCTS instrumentation will transmit exercise scenarios; simulate/stimulate all exercise participants sensors/weapons with the exercise scenario; track all exercise participants and events, e.g., weapons engagements; and provide accurate, realistic, and timely feedback. TCTS is building on technology developed for existing tactical training range systems. TCTS consists of airborne instrumentation called Participant Subsystems and Ground Subsystems. Increment 1 systems have been procured and fielded. Future procurements will be for Increment 2 systems with encrypted communication capability.

[P5 / SC105 EW - Threat Presentation]: Threat Presentation includes all the necessary components and elements associated with presenting friendly training event participants with an opposing force (OPFOR) operating environment that replicates the expected enemy order of battle. The capability of a range to recreate any Electronic Combat electronic order of battle (EOB) requires a range to simulate or emulate basic elements of Electronic Combat such as search, acquisition and tracking radars, anti-aircraft artillery (AAA) systems, surface-to-air missile (SAM) systems, infrared (IR) systems, jammers, coastal threats, airborne simulators, and information warfare/ command and control systems. Individual pieces procured vary from year to year.

[P5 / SC151 MLT - Moving Land Targets]: The Moving Land Target (MLT) will provide Naval Forces with a fast and highly maneuverable surrogate for the threat vehicles currently encountered in combat operations. The MLT will operate primarily on unpaved roads, support Close Air Support (CAS) and Time-Sensitive Targeting (TST) training, and enable Joint Terminal Air Controllers (JTACs) and aircrews to identify and engage moving targets not normally associated with traditional enemy forces. This line was previously titled FRP Targets.

[P5 / SC165 MCM - Mine Shapes]: Mine Shapes are used to support Norfolk-based helo squadron aviation Mine Countermeasure (MCM) training at the Virginia Capes (VACAPES) range operating area.

[P5 / SC711 Fallon LVC]: Funds Fallon Range Phase II/Live Virtual Constructive (LVC) allowing real-time telemetry to be received from new aircraft reaching the fleet. Establish persistent integrated training between AEGIS, CVW, Maritime & UAS training assets by enabling LVC capability with live F/A-18 E/F aircraft on the Fallon Range. Effort will modify Fallon Range infrastructure to provide secure network connectivity to provide robust integrated training capability.

[P5 / SC158 - TCTS Block Upgrade]: The Tactical Combat Training System (TCTS) will procure fixed range instrumentation equipment for both shore-based (aircrew training) and deployable (ship/sub/aircrew training) applications. TCTS instrumentation will transmit exercise scenarios; simulate/stimulate all exercise participants sensors/weapons with the exercise scenario; track all exercise participants and events, e.g., weapons engagements; and provide accurate, realistic, and timely feedback. TCTS is building on technology developed for existing tactical training range systems. TCTS consists of airborne instrumentation called Participant Subsystems and Ground Subsystems. Increment 1 systems have been procured and fielded. Annual block upgrade software packages will be released to fielded Increment 1 systems to correct system deficiencies. These block upgrades were previously budgeted under SC920, TCTS Non-Recurring.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4204 / Weapons Range Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:**

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4204 / Weapons Range Support Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:** / **Other Related Program Elements:**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost *(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 / Weapons Range Support Equipment	P-5, P-5a		- / 441.561	- / 50.624	- / 47.944	- / 46.979	- / -	- / 46.979
Total Gross/Weapon System Cost			**- / 441.561**	**- / 50.624**	**- / 47.944**	**- / 46.979**	**- / -**	**- / 46.979**

*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:

Funding is required in FY2016 for Operational forces of the Navy's air, surface, and subsurface units are required to be equipped with the latest complex and sophisticated weapon systems to achieve and maintain high standards of fleet readiness. The FTRs must be furnished with training equipment capable of simulating, tracking, displaying, and debriefing the latest combat environments (e.g. electronic warfare). This equipment provides the Navy with the capability to: conduct safe fleet training exercises; achieve a high state of readiness; objectively evaluate training effectiveness as well as the strategy and tactics employed; evaluate the performance of equipment; and measure reliability and accuracy of operational systems. FY2016 total funding increases from FY2015 due to the requirement to upgrade obsolete range instrumentation in order to support Large Force Exercises.

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4204 / Weapons Range Support Equipment	**Item Number / Title [DODIC]:** 1 / Weapons Range Support Equipment
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	441.561	50.624	47.944	46.979	-	46.979
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	441.561	50.624	47.944	46.979	-	46.979
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**441.561**	**50.624**	**47.944**	**46.979**	**-**	**46.979**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	4.478	4.307	3.423	-	3.423
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 - Systems Replacement and Modernization Cost																		
Recurring Cost																		
1.1.1) SC004 SRAM - Systems Replacement and Modernization	-	-	132.925	-	-	8.779	-	-	9.394	-	-	9.554	-	-	-	-	-	9.554
Subtotal: Recurring Cost	-	-	*132.925*	-	-	*8.779*	-	-	*9.394*	-	-	*9.554*	-	-	-	-	-	*9.554*
Subtotal: Hardware - Systems Replacement and Modernization Cost	-	-	*132.925*	-	-	*8.779*	-	-	*9.394*	-	-	*9.554*	-	-	-	-	-	*9.554*
Hardware - Ocean Systems Cost																		
Recurring Cost																		
2.1.1) SC012 OS - Ocean Systems	-	-	63.370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.2) SC161 OS - East Coast USWTR	-	-	59.192	-	-	16.665	-	-	16.694	-	-	14.554	-	-	-	-	-	14.554
Subtotal: Recurring Cost	-	-	*122.562*	-	-	*16.665*	-	-	*16.694*	-	-	*14.554*	-	-	-	-	-	*14.554*
Subtotal: Hardware - Ocean Systems Cost	-	-	*122.562*	-	-	*16.665*	-	-	*16.694*	-	-	*14.554*	-	-	-	-	-	*14.554*
Hardware - Large Area Tracking Range Cost																		
Recurring Cost																		
3.1.1) SC034 LATR Shipboard Rotary Technology Upgrade	-	-	-	-	-	-	-	-	-	-	-	2.943	-	-	-	-	-	2.943
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	*2.943*	-	-	-	-	-	*2.943*

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4204 / Weapons Range Support Equipment	Item Number / Title [DODIC]: 1 / Weapons Range Support Equipment
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ 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 - Large Area Tracking Range Cost	-	-	-	-	-	-	-	-	-	-	-	2.943	-	-	-	-	-	2.943
Hardware - Tactical Combat Training System Cost																		
Recurring Cost																		
4.1.1) SC039 TCTS - Transportable Ground Subsystem	-	-	0.761	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.3) SC140 TCTS - Remote Range Unit(†)	145,000.00	1	0.145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	0.906	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Tactical Combat Training System Cost	-	-	0.906	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Electronic Warfare Training Equipment Cost																		
Recurring Cost																		
5.1.1) SC105 EW - Threat Presentation	-	-	51.963	-	-	10.704	-	-	9.172	-	-	7.265	-	-	-	-	-	7.265
Subtotal: Recurring Cost	-	-	51.963	-	-	10.704	-	-	9.172	-	-	7.265	-	-	-	-	-	7.265
Subtotal: Hardware - Electronic Warfare Training Equipment Cost	-	-	51.963	-	-	10.704	-	-	9.172	-	-	7.265	-	-	-	-	-	7.265
Hardware - Moving Land Targets (PMA208) Cost																		
Recurring Cost																		
6.1.1) SC151 MLT - Moving Land Targets(†)	193,537.04	54	10.451	129,142.86	14	1.808	133,300.00	10	1.333	168,500.00	8	1.348	-	-	-	168,500.00	8	1.348
Subtotal: Recurring Cost	-	-	10.451	-	-	1.808	-	-	1.333	-	-	1.348	-	-	-	-	-	1.348
Subtotal: Hardware - Moving Land Targets (PMA208) Cost	-	-	10.451	-	-	1.808	-	-	1.333	-	-	1.348	-	-	-	-	-	1.348
Hardware - Range Scoring Systems Cost																		
Recurring Cost																		
7.1.1) SC165 MCM - Mine Shapes	-	-	-	-	-	0.736	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	0.736	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Range Scoring Systems Cost	-	-	-	-	-	0.736	-	-	-	-	-	-	-	-	-	-	-	-
Software - SC158 TCTS Block Upgrade Cost																		
Recurring Cost																		

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4204 / Weapons Range Support Equipment	Item Number / Title [DODIC]: 1 / Weapons Range Support Equipment
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ 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) SC158 - TCTS Block Upgrade	-	-	-	-	-	1.486	-	-	1.241	-	-	1.234	-	-	-	-	-	1.234
Subtotal: Recurring Cost	-	-	-	-	-	*1.486*	-	-	*1.241*	-	-	*1.234*	-	-	-	-	-	*1.234*
Subtotal: Software - SC158 TCTS Block Upgrade Cost	-	-	-	-	-	*1.486*	-	-	*1.241*	-	-	*1.234*	-	-	-	-	-	*1.234*
Support - Integrated Logistics Cost																		
10.1) SC800 SRAM	-	-	1.135	-	-	0.290	-	-	0.295	-	-	0.300	-	-	-	-	-	0.300
10.2) SC800 Ocean Systems (1)	-	-	1.375	-	-	0.213	-	-	0.216	-	-	0.355	-	-	-	-	-	0.355
10.3) SC800 TCTS	-	-	1.564	-	-	0.135	-	-	0.195	-	-	-	-	-	-	-	-	-
10.4) SC800 EW	-	-	0.952	-	-	0.150	-	-	0.152	-	-	0.155	-	-	-	-	-	0.155
10.5) SC800 Prior Years	-	-	9.317	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Integrated Logistics Cost	-	-	*14.343*	-	-	*0.788*	-	-	*0.858*	-	-	*0.810*	-	-	-	-	-	*0.810*
Support - Production Support Cost																		
11.1) SC820 Ocean Systems	-	-	2.720	-	-	1.047	-	-	0.741	-	-	1.082	-	-	-	-	-	1.082
11.2) SC820 LATR (2)	-	-	-	-	-	-	-	-	-	-	-	0.036	-	-	-	-	-	0.036
11.3) SC820 TCTS	-	-	0.505	-	-	0.230	-	-	0.235	-	-	0.125	-	-	-	-	-	0.125
11.4) SC820 EW	-	-	0.499	-	-	0.180	-	-	0.183	-	-	0.186	-	-	-	-	-	0.186
Subtotal: Support - Production Support Cost	-	-	*3.724*	-	-	*1.457*	-	-	*1.159*	-	-	*1.429*	-	-	-	-	-	*1.429*
Support - Production Engineering Cost																		
12.1) SC831 SRAM	-	-	3.946	-	-	1.120	-	-	1.063	-	-	0.969	-	-	-	-	-	0.969
12.2) SC831 Ocean Systems (3)	-	-	14.019	-	-	2.546	-	-	2.689	-	-	3.013	-	-	-	-	-	3.013
12.3) SC831 LATR (4)	-	-	-	-	-	-	-	-	-	-	-	0.050	-	-	-	-	-	0.050
12.4) SC831 TCTS	-	-	12.531	-	-	1.418	-	-	1.815	-	-	0.239	-	-	-	-	-	0.239
12.5) SC831 EW	-	-	10.032	-	-	2.249	-	-	1.313	-	-	2.590	-	-	-	-	-	2.590
12.6) SC832 MLT	-	-	0.361	-	-	0.169	-	-	0.172	-	-	0.174	-	-	-	-	-	0.174
12.8) SC831 Prior Years	-	-	58.652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost	-	-	*99.541*	-	-	*7.502*	-	-	*7.052*	-	-	*7.035*	-	-	-	-	-	*7.035*
Support - Acceptance Testing Cost																		
13.1) SC860 SRAM	-	-	0.843	-	-	0.225	-	-	0.229	-	-	0.232	-	-	-	-	-	0.232
13.2) SC860 Ocean Systems	-	-	0.560	-	-	0.474	-	-	0.482	-	-	0.491	-	-	-	-	-	0.491

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4204 / Weapons Range Support Equipment	Item Number / Title [DODIC]: 1 / Weapons Range Support Equipment
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ 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)
13.3) SC860 LATR	-	-	-	-	-	-	-	-	-	-	-	0.084	-	-	-	-	-	0.084
13.4) SC860 TCTS	-	-	-	-	-	-	-	-	0.330	-	-	-	-	-	-	-	-	-
13.5) SC860 EW	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13.6) SC860 Prior Years	-	-	3.543	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost	-	-	*5.146*	-	-	*0.699*	-	-	*1.041*	-	-	*0.807*	-	-	-	-	-	*0.807*
Gross/Weapon System Cost	**-**	**-**	**441.561**	**-**	**-**	**50.624**	**-**	**-**	**47.944**	**-**	**-**	**46.979**	**-**	**-**	**-**	**-**	**-**	**46.979**

(†) indicates the presence of a P-5a

Footnotes:

(1) SC800 Ocean Systems - The Undersea Warfare Training Range (USWTR) is an approved time phased procurement and associated government support efforts will vary from year to year in order to support a complex Integrated Master Schedule (IMS). Increased logistical efforts in FY17 include support of the validation of the Range Operation Center (ROC) interface between Jacksonville and Mayport Florida.

(2) SC820 LATR - Support for new FY16 deliverable of LATR Shipboard Rotary Technology Upgrade.

(3) SC831 Ocean Systems - The Undersea Warfare Training Range (USWTR) is an approved time phased procurement and associated government support efforts will vary from year to year in order to support a complex Integrated Master Schedule (IMS). Increased engineering efforts in FY18 include the Preliminary Configuration Audit (PCA), Integrated Readiness Review (IRR) and final assembly of the Ocean Sensor System (OSS) Arrays.

(4) SC831 LATR - Support for new FY16 deliverable of LATR Shipboard Rotary Technology Upgrade.

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4204 / Weapons Range Support Equipment	Item Number / Title [DODIC]: 1 / Weapons Range Support Equipment

Cost Elements	OCO	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
4.1.3) SC140 TCTS - Remote Range Unit		2013	Cubic Defense Applications / San Diego, CA	C / FFP	AAC/WMR Eglin AFB, FL	Jun 2013	Feb 2015	1	145,000.00	Y		Dec 2002
6.1.1) SC151 MLT - Moving Land Targets		2014	Kairos / Sandy, UT	C / FFP	NAVAIR, Patuxent River, MD	Apr 2014	Aug 2014	14	129,142.86	Y		May 2010
6.1.1) SC151 MLT - Moving Land Targets		2015	Kairos / Sandy, UT	C / FFP	NAVAIR, Patuxent River, MD	Apr 2015	Aug 2015	10	133,300.00	Y		May 2010
6.1.1) SC151 MLT - Moving Land Targets		2016	TBD / TBD	TBD	NAVAIR, Patuxent River, MD	Nov 2015	Mar 2016	8	168,500.00	N	Apr 2015	Apr 2015

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

Appropriation / Budget Activity / Budget Sub Activity:
1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment

P-1 Line Item Number / Title:
4208 / Expeditionary Airfields

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)*	283.893	4.676	-	-	-	-	-	-	-	-	-	288.569
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	283.893	4.676	-	-	-	-	-	-	-	-	-	288.569
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**283.893**	**4.676**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**288.569**
(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:

This program provides for procurement of aircraft recovery equipment, landing mat and accessories, airfield lighting and Visual Landing Aids for Naval Aviation Expeditionary Airfields (EAF). EAF recovery equipment consists of the M31 arresting gear and its accessories. This equipment is used to stop aircraft in less than 1000 ft. EAF landing mats and accessories are used to construct airfields of varying configurations such as, 5000+ ft conventional airport runways and taxiways, Forward Arming and Refueling Points (FARPs), Forward Operating Bases (FOBs), Landing Zones (LZs) and Helo Pads. EAF Lighting equipment augments the many types of EAFs with lighting of the runways, taxiways, LZs, FARPs, FOBs and Helo pads. Much of the EAF Lighting utilizes Infra Red Lighting for use with Night Vision Devices for night operations by all Type/Model/Series aircraft. Fresnel Lens Optical Landing Systems and Precision Approach Path Indicator systems are used to guide aircraft to the proper landing or arresting gear area of the EAF. This core funding level directly supports the procurement and fielding of operational EAF systems for three Active Marine Aircraft Wings (MAW) and one Reserve MAW, testing and training installations, and provides assets for use by the Marine Expeditionary Forces during contingency operations.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4208 / Expeditionary Airfields
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 / Expeditionary Airfields	P-5		- / 283.893	- / 4.676	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			**- / 283.893**	**- / 4.676**	**- / -**	**- / -**	**- / -**	**- / -**

*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:
In FY15 program transitions to the new BLI 4213 - Aircraft Support Equipment.

The Expeditionary Airfields (EAF) program provides for the procurement of various composites of surfacing equipment, such as AM-2 Matting and Light Weight Matting. The quantities of AM-2 and light-weight matting vary depending on quantities for each type of matting and service change requirements each year. The equipment, accessories, and service changes are procured and fielded with these funds. Equipment procurements are based on inventory shortfalls, product improvements to fill or correct deficiencies, modernizing EAF equipment to improve maintainability, reliability and safety-of-flight and to keep pace with new aircraft and aircraft systems.

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4208 / Expeditionary Airfields	Item Number / Title [DODIC]: 1 / Expeditionary Airfields
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)*	283.893	4.676	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	283.893	4.676	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**283.893**	**4.676**	**-**	**-**	**-**	**-**
(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 - (SE010) EAF Surfacing Equipment Cost																		
Recurring Cost																		
1.1.1) AM-2 Matting (F71)	33,333.90	5,250	175.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) F-87 Light Weight Matting	11,845.73	363	4.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) F-88 Light Weight Matting	-	-	2.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) AM-2 Shipping Containers	7,109.76	164	1.166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) AM-2 Accessory Packs (1)	-	-	23.838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.6) Surfacing engineering change proposals	-	-	1.362	-	-	1.800	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*208.069*	-	-	*1.800*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (SE010) EAF Surfacing Equipment Cost	-	-	*208.069*	-	-	*1.800*	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (SE860) Acceptance Testing and Evaluation - Surfacing Cost																		
Recurring Cost																		
2.1.1) EAF Surfacing Equipment	-	-	4.042	-	-	0.117	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*4.042*	-	-	*0.117*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (SE860) Acceptance Testing	-	-	*4.042*	-	-	*0.117*	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4208 / Expeditionary Airfields	Item Number / Title [DODIC]: 1 / Expeditionary Airfields
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)
and Evaluation - Surfacing Cost																		
Hardware - (SE010) EAF Lighting Equipment Cost																		
Recurring Cost																		
3.1.1) Man Portable Lights	-	-	37.156	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.2) Lighting Engineering Change Proposals (2)	-	-	-	-	-	0.647	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*37.156*	-	-	*0.647*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (SE010) EAF Lighting Equipment Cost	-	-	*37.156*	-	-	*0.647*	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Acceptance Testing - Lighting Cost																		
Recurring Cost																		
4.1.1) EAF Lighting Equipment	-	-	2.468	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*2.468*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Acceptance Testing - Lighting Cost	-	-	*2.468*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (SE0210) EAF Arresting Gear Cost																		
Recurring Cost																		
5.1.1) M-31 Arresting Gear	-	-	11.483	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.2) M-31 Engineering Change Proposals (3)	-	-	0.076	-	-	0.304	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*11.559*	-	-	*0.304*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (SE0210) EAF Arresting Gear Cost	-	-	*11.559*	-	-	*0.304*	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Acceptance Testing - Arresting Gear Cost																		
Recurring Cost																		
6.1.1) EAF Arresting Gear	-	-	2.128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*2.128*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Acceptance Testing - Arresting Gear Cost	-	-	*2.128*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4208 / Expeditionary Airfields	Item Number / Title [DODIC]: 1 / Expeditionary Airfields
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 - (SE800) Integrated Logistics Cost																		
7.1) EAF Surfacing Equipment	-	-	3.560	-	-	0.571	-	-	-	-	-	-	-	-	-	-	-	-
7.2) EAF Lighting Equipment	-	-	2.566	-	-	0.122	-	-	-	-	-	-	-	-	-	-	-	-
7.3) EAF Arresting Gear	-	-	2.220	-	-	0.156	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - (SE800) Integrated Logistics Cost	-	-	*8.346*	-	-	*0.849*	-	-	-	-	-	-	-	-	-	-	-	-
Support - (SE830) Production Engineering Cost																		
8.1) EAF Surfacing Equipment	-	-	4.257	-	-	0.190	-	-	-	-	-	-	-	-	-	-	-	-
8.2) EAF Lighting Equipment	-	-	3.173	-	-	0.300	-	-	-	-	-	-	-	-	-	-	-	-
8.3) EAF Arresting Gear	-	-	2.695	-	-	0.469	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - (SE830) Production Engineering Cost	-	-	*10.125*	-	-	*0.959*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	**-**	**-**	**283.893**	**-**	**-**	**4.676**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Footnotes:

(1) 1.1.7 AM-2 Accessory Packs consists of multiple low priced items. There are several types of configurations that are procured each year, therefore, individual quantities are not provided for some Expeditionary equipment.

(2) 3.1.2 Lighting Engineering Change Proposals includes nonrecurring engineering and associated testing.

(3) 5.1.2 M-31 Engineering Change Proposals includes nonrecurring engineering and associated testing.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment

ID Code (A=Service Ready, B=Not Service Ready) : B	Program Elements for Code B Items: 0204112N	Other Related Program Elements: 0604512N

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	55.195	123.884	-	123.884	120.714	121.126	122.623	125.211	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	55.195	123.884	-	123.884	120.714	121.126	122.623	125.211	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**55.195**	**123.884**	**-**	**123.884**	**120.714**	**121.126**	**122.623**	**125.211**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	1.319	9.251	-	9.251	3.669	1.667	1.077	0.090	Continuing	Continuing
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

AVIATION SUPPORT EQUIPMENT provides funds for the procurement of air-launched anti-submarine (ASW) detection and other general support equipment associated with aircraft systems. Other support equipment includes ground electronics equipment, aircraft launch and recovery equipment, photographic equipment, reconnaissance and electronic warfare processing and analysis equipment, and miscellaneous other categories of equipment.

[P5 / Expeditionary Airfields]: This program provides for procurement of aircraft recovery equipment, landing mat and accessories, airfield lighting and Visual Landing Aids for Naval Aviation EAF. EAF recovery equipment consists of the M31 arresting gear and its accessories. This equipment is used to stop aircraft in less than 1000 ft. EAF landing mats and accessories are used to construct airfields of varying configurations such as, 5000+ ft conventional airport runways and taxiways, Forward Arming and Refueling Points (FARPs), Forward Operating Bases (FOBs), Landing Zones (LZs) and Helo Pads. EAF Lighting equipment augments the many types of EAFs with lighting of the runways, taxiways, LZs, FARPs, FOBs and Helo pads. Much of the EAF Lighting utilizes Infra Red Lighting for use with Night Vision Devices for night operations by all Type/Model/Series aircraft. Fresnel Lens Optical Landing Systems and Precision Approach Path Indicator systems are used to guide aircraft to the proper landing or arresting gear area of the EAF. This core funding level directly supports the procurement and fielding of operational EAF systems for three Active Marine Aircraft Wings (MAW) and one Reserve MAW, testing and training installations, and provides assets for use by the Marine Expeditionary Forces during contingency operations.

[P5 - 2 / Acft Rearming Equip]: This program funds the procurement of common Armament Support Equipment (ASE), and Weapons Support Equipment (WSE) under the procurement and inventory control of the Naval Inventory Control Point and the Naval Air Systems Command. This budget line supports: (a) initial outfitting for all in-production weapons systems; (b) procurement of new Support Equipment, and (c) procurement of replacement items for obsolete Support Equipment. These items support sustained operations and surge deployments of the CV battle groups. Shipboard/Shorebased WSE is utilized by weapons departments to handle, transport, and maintain weapons. Shipboard/Shorebased ASE is utilized by squadrons and supporting activities to load and service aircraft weapons and guns.

[P5 - 3 / Air Launch & Recovery Equip]: This program provides for the procurement of aircraft launch, recovery, visual landing aids, and related information systems as well as ancillary items required for installation aboard aircraft carriers, air capable combatant vessels, amphibious assault ships and shore stations. Procurements are initiated due to a variety of reasons including fleet-generated reports associated with safe and reliable operations of existing equipment, support of fixed and rotary wing aircraft on Air Capable Ships, and maintaining reliability, availability and maintainability of ALRE equipment. Engineering Change Proposals (ECPs) are generated and processed via a Configuration Control Board. Once approved, the ECP final product is a service change kit. These kits are identified for installation aboard applicable ships as well as shore-based installations in the ECP. Major shipboard equipment items are generally installed by shipyard personnel, alteration installation teams or fleet readiness centers voyage repair teams during routine or restricted availabilities of the various ships. Service change kits support corrective actions that result from changes in operational conditions, obsolescence, and improvements in reliability, availability and maintainability.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : B	**Program Elements for Code B Items:** 0204112N	**Other Related Program Elements:** 0604512N

[P3A - 3 / LAMPS MK III - SRQ(KU)-4 (S1010)]: LAMPS MK III is a over the horizon information dominance system with a high-speed, air-to-ground, digital data link that transmits reconnaissance and other data from MH-60 helicopters to surface ships (cruisers and destroyers) to enable data, imagery, electronic support measures, communications, and radar information via the Ku-band link.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment

ID Code (A=Service Ready, B=Not Service Ready) : B	Program Elements for Code B Items: 0204112N	Other Related Program Elements: 0604512N

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 / Expeditionary Airfields	P-5, P-5a		- / 0.000	- / -	- / 7.423	- / 8.425	- / -	- / 8.425
2 / Acft Rearming Equip	P-5, P-5a, P-21		- / 0.000	- / -	- / 11.836	- / 11.857	- / -	- / 11.857
3 / Air Launch & Recovery Equip	P-5		- / 0.000	- / -	- / 6.112	- / 32.614	- / -	- / 32.614
1 / ALRE - Advanced Arresting Gear (SJ301) (Advanced Arresting Gear (SJ301))	P-3a		- / 0.000	- / -	- / 4.951	- / 6.256	- / -	- / 6.256
2 / ALRE - ADMACS Block Upgrade (SJ302) (Increase Capability)	P-3a		- / 0.000	- / -	- / 10.901	- / 44.773	- / -	- / 44.773
3 / LAMPS MK III - SRQ(KU)-4 (S1010) (Non-Organic)	P-3a		- / 0.000	- / -	- / 13.972	- / 19.959	- / -	- / 19.959
Total Gross/Weapon System Cost			**- / 0.000**	**- / -**	**- / 55.195**	**- / 123.884**	**- / -**	**- / 123.884**

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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 / Expeditionary Airfields	P-5, P-5a		- / -	- / -	- / -	- / -	- / -	- / -
2 / Acft Rearming Equip	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	- / -
3 / Air Launch & Recovery Equip	P-5		- / -	- / -	- / -	- / -	- / -	- / -
1 / ALRE - Advanced Arresting Gear (SJ301) (Advanced Arresting Gear (SJ301))	P-3a		- / 2.434	- / 2.488	- / 2.529	- / 2.579	- / 8.904	- / 30.141
2 / ALRE - ADMACS Block Upgrade (SJ302) (Increase Capability)	P-3a		- / 25.193	- / 11.157	- / 11.809	- / 15.894	Continuing	Continuing
3 / LAMPS MK III - SRQ(KU)-4 (S1010) (Non-Organic)	P-3a		- / 19.451	- / 25.165	- / 25.720	- / 26.261	Continuing	Continuing
Total Gross/Weapon System Cost			**- / 120.714**	**- / 121.126**	**- / 122.623**	**- / 125.211**	**Continuing**	**Continuing**

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

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

Justification:
The items contained within this budget line item were previously funded under the following line items in FY14 and prior:
4208 Expeditionary Airfields
4214 Aircraft Rearming Equipment
4216 Aircraft Launch and Recovery Equipment
4255 LAMPS MK III Shipboard Equipment

Expeditionary Airfields (EAF) - FY16 baseline funding is required for EAF Surfacing equipment, EAF Lighting Equipment, EAF Arresting Gear, associated ECPs and support.

Aircraft Rearming Equipment - FY16 baseline funding is required for USMC Weapons Assembly Station, USMC A/M32K-4A Munitions Trailer Replacement, MHU-191/M CILOP, USMC A/S32K-1E Weapons Loader Replacement and associated support costs.

Aircraft Launch and Recovery Equipment (ALRE) - FY16 baseline funding is required for ALRE equipment, Advanced Arresting Gear (AAG), Aviation Data Management and Control System (ADMACS) Block Upgrade, and associated support.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : B	**Program Elements for Code B Items:** 0204112N	**Other Related Program Elements:** 0604512N

LAMPS MK III Shipboard Equipment - The FY 2016 baseline funding is required for the procurement of 8 AN/SRQ-4(Ku) field install kits and associated support and installation costs to meet the MH-60R deployment schedule.

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 1 / Expeditionary Airfields
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	7.423	8.425	-	8.425	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	7.423	8.425	-	8.425	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**7.423**	**8.425**	**-**	**8.425**	**-**	**-**	**-**	**-**	**-**	**-**
(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 - (SE010) EAF Surfacing Equipment Cost																		
Recurring Cost																		
1.1.1) AM-2 Matting (F71)(†) (1)	-	-	0.000	-	-	-	11,375.00	59	0.671	11,375.00	68	0.774	-	-	-	11,375.00	68	0.774
1.1.2) AM-2-Matting (F72)(†)	-	-	0.000	-	-	-	7,162.00	42	0.301	7,162.00	49	0.351	-	-	-	7,162.00	49	0.351
1.1.3) AM-2 Matting (F73)(†)	-	-	0.000	-	-	-	9,495.00	1	0.009	9,495.00	2	0.019	-	-	-	9,495.00	2	0.019
1.1.7) AM-2 Accessory Packs (1) (2)	-	-	0.000	-	-	-	-	-	0.386	-	-	0.386	-	-	-	-	-	0.386
1.1.8) Surfacing engineering change proposals (3)	-	-	0.000	-	-	-	-	-	1.852	-	-	2.344	-	-	-	-	-	2.344
Subtotal: Recurring Cost	-	-	*0.000*	-	-	-	-	-	*3.219*	-	-	*3.874*	-	-	-	-	-	*3.874*
Subtotal: Hardware - (SE010) EAF Surfacing Equipment Cost	-	-	*0.000*	-	-	-	-	-	*3.219*	-	-	*3.874*	-	-	-	-	-	*3.874*
Hardware - (SE860) Acceptance Testing and Evaluation - Surfacing Cost																		
Recurring Cost																		
2.1.1) EAF Surfacing Equipment	-	-	0.000	-	-	-	-	-	0.119	-	-	0.161	-	-	-	-	-	0.161
Subtotal: Recurring Cost	-	-	*0.000*	-	-	-	-	-	*0.119*	-	-	*0.161*	-	-	-	-	-	*0.161*

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 1 / Expeditionary Airfields
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 - (SE860) Acceptance Testing and Evaluation - Surfacing Cost	-	-	*0.000*	-	-	-	-	-	*0.119*	-	-	*0.161*	-	-	-	-	-	*0.161*
Hardware - (SE010) EAF Lighting Equipment Cost																		
Recurring Cost																		
3.1.1) Man Portable Lights	-	-	0.000	-	-	-	-	-	1.245	-	-	1.500	-	-	-	-	-	1.500
3.1.2) Lighting Engineering Change Proposals (4)	-	-	0.000	-	-	-	-	-	0.867	-	-	1.068	-	-	-	-	-	1.068
Subtotal: Recurring Cost	-	-	*0.000*	-	-	-	-	-	*2.112*	-	-	*2.568*	-	-	-	-	-	*2.568*
Subtotal: Hardware - (SE010) EAF Lighting Equipment Cost	-	-	*0.000*	-	-	-	-	-	*2.112*	-	-	*2.568*	-	-	-	-	-	*2.568*
Hardware - Acceptance Testing - Lighting Cost																		
Recurring Cost																		
4.1.1) EAF Lighting Equipment	-	-	0.000	-	-	-	-	-	0.046	-	-	0.011	-	-	-	-	-	0.011
Subtotal: Recurring Cost	-	-	*0.000*	-	-	-	-	-	*0.046*	-	-	*0.011*	-	-	-	-	-	*0.011*
Subtotal: Hardware - Acceptance Testing - Lighting Cost	-	-	*0.000*	-	-	-	-	-	*0.046*	-	-	*0.011*	-	-	-	-	-	*0.011*
Hardware - (SE0210) EAF Arresting Gear Cost																		
Recurring Cost																		
5.1.2) M-31 Engineering Change Proposals (5)	-	-	0.000	-	-	-	-	-	0.451	-	-	0.929	-	-	-	-	-	0.929
Subtotal: Recurring Cost	-	-	*0.000*	-	-	-	-	-	*0.451*	-	-	*0.929*	-	-	-	-	-	*0.929*
Subtotal: Hardware - (SE0210) EAF Arresting Gear Cost	-	-	*0.000*	-	-	-	-	-	*0.451*	-	-	*0.929*	-	-	-	-	-	*0.929*
Hardware - Acceptance Testing - Arresting Gear Cost																		
Recurring Cost																		
6.1.1) EAF Arresting Gear	-	-	0.000	-	-	-	-	-	0.029	-	-	0.005	-	-	-	-	-	0.005
Subtotal: Recurring Cost	-	-	*0.000*	-	-	-	-	-	*0.029*	-	-	*0.005*	-	-	-	-	-	*0.005*
Subtotal: Hardware - Acceptance Testing - Arresting Gear Cost	-	-	*0.000*	-	-	-	-	-	*0.029*	-	-	*0.005*	-	-	-	-	-	*0.005*

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 1 / Expeditionary Airfields
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 - (SE800) Integrated Logistics Cost																		
7.1) EAF Surfacing Equipment	-	-	0.000	-	-	-	-	-	0.514	-	-	0.271	-	-	-	-	-	0.271
7.2) EAF Lighting Equipment	-	-	0.000	-	-	-	-	-	0.087	-	-	0.037	-	-	-	-	-	0.037
7.3) EAF Arresting Gear	-	-	0.000	-	-	-	-	-	0.161	-	-	0.011	-	-	-	-	-	0.011
Subtotal: Support - (SE800) Integrated Logistics Cost	-	-	*0.000*	-	-	-	-	-	*0.762*	-	-	*0.319*	-	-	-	-	-	*0.319*
Support - (SE830) Production Engineering Cost																		
8.1) EAF Surfacing Equipment	-	-	0.000	-	-	-	-	-	0.210	-	-	0.476	-	-	-	-	-	0.476
8.2) EAF Lighting Equipment	-	-	0.000	-	-	-	-	-	0.145	-	-	0.046	-	-	-	-	-	0.046
8.3) EAF Arresting Gear	-	-	0.000	-	-	-	-	-	0.330	-	-	0.036	-	-	-	-	-	0.036
Subtotal: Support - (SE830) Production Engineering Cost	-	-	*0.000*	-	-	-	-	-	*0.685*	-	-	*0.558*	-	-	-	-	-	*0.558*
Gross/Weapon System Cost	**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**7.423**	**-**	**-**	**8.425**	**-**	**-**	**-**	**-**	**-**	**8.425**

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - (SE010) EAF Surfacing Equipment Cost																		
Recurring Cost																		
1.1.1) AM-2 Matting (F71)(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) AM-2-Matting (F72)(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) AM-2 Matting (F73)(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) AM-2 Accessory Packs (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.8) Surfacing engineering change proposals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 1 / Expeditionary Airfields
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Hardware - (SE010) EAF Surfacing Equipment Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (SE860) Acceptance Testing and Evaluation - Surfacing Cost																		
Recurring Cost																		
2.1.1) EAF Surfacing Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (SE860) Acceptance Testing and Evaluation - Surfacing Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (SE010) EAF Lighting Equipment Cost																		
Recurring Cost																		
3.1.1) Man Portable Lights	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.2) Lighting Engineering Change Proposals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (SE010) EAF Lighting Equipment Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Acceptance Testing - Lighting Cost																		
Recurring Cost																		
4.1.1) EAF Lighting Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Acceptance Testing - Lighting Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (SE0210) EAF Arresting Gear Cost																		
Recurring Cost																		
5.1.2) M-31 Engineering Change Proposals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (SE0210) EAF Arresting Gear Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Acceptance Testing - Arresting Gear Cost																		
Recurring Cost																		

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 1 / Expeditionary Airfields
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
6.1.1) EAF Arresting Gear	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Acceptance Testing - Arresting Gear Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - (SE800) Integrated Logistics Cost																		
7.1) EAF Surfacing Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2) EAF Lighting Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3) EAF Arresting Gear	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - (SE800) Integrated Logistics Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - (SE830) Production Engineering Cost																		
8.1) EAF Surfacing Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) EAF Lighting Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.3) EAF Arresting Gear	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - (SE830) Production Engineering Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:
The quantities of AM-2 and Light Weight Matting procured vary depending on the type of matting and service change requirements each year. The equipment, accessories and service changes are procured and fielded with these funds. Equipment procurements are based on inventory shortfalls, product improvements to fill or correct deficiencies, modernizing EAF equipment to improve maintainability, reliability and safety-of-flight and to keep pace with new aircraft and aircraft systems.

(†) indicates the presence of a P-5a

Footnotes:
(1) FY15 - FY20 AM2 Matting (cost elements 1.1.1 - 1.1.3) unit cost change based on renewal of EAF awarded procurement contract. Costs will remain constant throughout the FYDP. The cost of the AM2 is based on a yearly rate of 50,000 square feet which is used to account for lost and damaged AM2. This rate ensures that the assets in the Table of Basic Allowance are maintained. This does not include the addition of AM2 assets to the inventory, but sustainment only. FY15 - FY20 AM2 Matting (cost elements 1.1.1 - 1.1.3) quantity changes based on tracking of EAF projected fleet requirements from the Table of Basic Allowance and the Marine Wing Support Squadron available assets to determine what needs to be procured on an annual basis.
(2) 1.1.7 AM-2 Accessory Packs and Man Portable Light Packs consists of multiple low priced items. There are several types of configurations that are procured each year, therefore, individual quantities are not provided for some Expeditionary equipment.

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Item Number / Title [DODIC]:** 1 / Expeditionary Airfields
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

(3) Surfacing Engineering Change Proposals (1.1.8) are required to adapt to diverse airfield operating environments which drive changes to tool kits necessary for matting installation, accommodating new aircraft heat signatures (i.e. JSF) as well as variable soil compositions.

(4) Lighting Engineering Change Proposals (3.1.2) address the obsolescence and reliability of an aging legacy system. The ECP work for the Minimum Operating Strip Lighting System (MOSLS) provides upgrades to obsolescent incandescent bulbs, unreliable battery systems, and other deficiencies.

(5) M-31 Engineering Change Proposals (5.1.2) address failures and obsolescence issues associated with the M-31, which focuses on component failures that require compatibility efforts and retrofit designs to reduce safety hazards on multiple land surfaces.

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 1 / Expeditionary Airfields

Cost Elements	OCO	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) AM-2 Matting (F71)		2015	ALFAB / Montgomery, AL	C / FFP	LKE	Feb 2015	May 2015	59	11,375.00	Y		Sep 2011
1.1.1) AM-2 Matting (F71)		2016	ALFAB / Montgomery, AL	C / FFP	LKE	Feb 2016	May 2016	68	11,375.00	Y		Sep 2011
1.1.2) AM-2-Matting (F72)		2015	ALFAB / Montgomery, AL	C / FFP	LKE	Feb 2015	May 2015	42	7,162.00	Y		Sep 2011
1.1.2) AM-2-Matting (F72)		2016	ALFAB / Montgomery, AL	C / FFP	LKE	Feb 2016	May 2016	49	7,162.00	Y		Sep 2011
1.1.3) AM-2 Matting (F73)		2015	ALFAB / Montgomery, AL	C / FFP	LKE	Feb 2015	May 2015	1	9,495.00	Y		Sep 2011
1.1.3) AM-2 Matting (F73)		2016	ALFAB / Montgomery, AL	C / FFP	LKE	Feb 2016	May 2016	2	9,495.00	Y		Sep 2011

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 2 / Acft Rearming Equip
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	11.836	11.857	-	11.857	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	11.836	11.857	-	11.857	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**11.836**	**11.857**	**-**	**11.857**	**-**	**-**	**-**	**-**	**-**	**-**
(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 - HARDWARE - Ordnance Assembly Cost																		
Recurring Cost																		
1.1.1) SH042 - USMC WEAPONS ASSEMBLY STATION (A/E32K-11 LIFTING ASSLY)(†)	-	-	0.000	-	-	-	416,000.00	3	1.248	416,000.00	4	1.664	-	-	-	416,000.00	4	1.664
Subtotal: Recurring Cost	-	-	*0.000*	-	-	-	-	-	*1.248*	-	-	*1.664*	-	-	-	-	-	*1.664*
Subtotal: Hardware - HARDWARE - Ordnance Assembly Cost	-	-	*0.000*	-	-	-	-	-	*1.248*	-	-	*1.664*	-	-	-	-	-	*1.664*
Hardware - HARDWARE - Ordnance Transport Cost																		
Recurring Cost																		
2.1.1) SH036 - USMC A/M32K-4A MUN TRLR REPLACEMENT - (A/M32K-10 MUN TRLR)(†) (6)	-	-	0.000	-	-	-	54,590.90	110	6.005	61,147.37	95	5.809	-	-	-	61,147.37	95	5.809
2.1.2) SH043 - MHU-191/M CILOP - MHU-191A/M MUN TRANSPORTER(†)	-	-	0.000	-	-	-	6,000.00	193	1.158	6,120.00	174	1.065	-	-	-	6,120.00	174	1.065
Subtotal: Recurring Cost	-	-	*0.000*	-	-	-	-	-	*7.163*	-	-	*6.874*	-	-	-	-	-	*6.874*

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 2 / Acft Rearming Equip
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 - HARDWARE - Ordnance Transport Cost	-	-	*0.000*	-	-	-	-	-	*7.163*	-	-	*6.874*	-	-	-	-	-	*6.874*
Hardware - HARDWARE - Ordnance Loading Cost																		
Recurring Cost																		
3.1.1) SH038 - LALS POWER DRIVE TOOL(†)	-	-	0.000	-	-	-	750,000.00	1	0.750	-	-	-	-	-	-	-	-	-
3.1.2) SH046 - USMC A/S32K-1E WEAPONS LOADER REPLACEMENT(†)	-	-	0.000	-	-	-	-	-	-	647,000.00	2	1.294	-	-	-	647,000.00	2	1.294
Subtotal: Recurring Cost	-	-	*0.000*	-	-	-	-	-	*0.750*	-	-	*1.294*	-	-	-	-	-	*1.294*
Subtotal: Hardware - HARDWARE - Ordnance Loading Cost	-	-	*0.000*	-	-	-	-	-	*0.750*	-	-	*1.294*	-	-	-	-	-	*1.294*
Hardware - SH920 NON-RECURRING Cost																		
Non Recurring Cost																		
4.1.4) Ordnance Loading	-	-	0.000	-	-	-	-	-	-	-	-	0.394	-	-	-	-	-	0.394
Subtotal: Non Recurring Cost	-	-	*0.000*	-	-	-	-	-	-	-	-	*0.394*	-	-	-	-	-	*0.394*
Subtotal: Hardware - SH920 NON-RECURRING Cost	-	-	*0.000*	-	-	-	-	-	-	-	-	*0.394*	-	-	-	-	-	*0.394*
Hardware - SH010 ECP Cost																		
Recurring Cost																		
5.1.3) Ordnance Transport ECP	-	-	0.000	-	-	-	-	-	0.453	-	-	0.057	-	-	-	-	-	0.057
5.1.4) Ordnance Loading ECP	-	-	0.000	-	-	-	-	-	0.050	-	-	0.059	-	-	-	-	-	0.059
Subtotal: Recurring Cost	-	-	*0.000*	-	-	-	-	-	*0.503*	-	-	*0.116*	-	-	-	-	-	*0.116*
Subtotal: Hardware - SH010 ECP Cost	-	-	*0.000*	-	-	-	-	-	*0.503*	-	-	*0.116*	-	-	-	-	-	*0.116*
Hardware - SH860 Acceptance Test & Eval Cost																		
Recurring Cost																		
6.1.1) Ordnance Assembly Acceptance Testing	-	-	0.000	-	-	-	-	-	0.105	-	-	0.066	-	-	-	-	-	0.066

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 2 / Acft Rearming Equip
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)
6.1.2) Ordnance Transport Acceptance Testing	-	-	0.000	-	-	-	-	-	0.174	-	-	0.120	-	-	-	-	-	0.120
6.1.3) Ordnance Loading Acceptance Testing	-	-	0.000	-	-	-	-	-	0.206	-	-	0.165	-	-	-	-	-	0.165
Subtotal: Recurring Cost	-	-	*0.000*	-	-	-	-	-	*0.485*	-	-	*0.351*	-	-	-	-	-	*0.351*
Subtotal: Hardware - SH860 Acceptance Test & Eval Cost	-	-	*0.000*	-	-	-	-	-	*0.485*	-	-	*0.351*	-	-	-	-	-	*0.351*
Support - SH800 ILS Cost																		
7.2) Ordnance Assembly	-	-	0.000	-	-	-	-	-	0.096	-	-	0.090	-	-	-	-	-	0.090
7.3) Ordnance Transport	-	-	0.000	-	-	-	-	-	0.250	-	-	0.238	-	-	-	-	-	0.238
7.4) Ordnance Loading	-	-	0.000	-	-	-	-	-	0.325	-	-	0.296	-	-	-	-	-	0.296
Subtotal: Support - SH800 ILS Cost	-	-	*0.000*	-	-	-	-	-	*0.671*	-	-	*0.624*	-	-	-	-	-	*0.624*
Support - SH830 Production Engineering Cost																		
8.2) Ordnance Assembly PE	-	-	0.000	-	-	-	-	-	0.212	-	-	0.093	-	-	-	-	-	0.093
8.3) Ordnance Transport PE	-	-	0.000	-	-	-	-	-	0.193	-	-	0.197	-	-	-	-	-	0.197
8.4) Ordnance Loading PE	-	-	0.000	-	-	-	-	-	0.611	-	-	0.250	-	-	-	-	-	0.250
Subtotal: Support - SH830 Production Engineering Cost	-	-	*0.000*	-	-	-	-	-	*1.016*	-	-	*0.540*	-	-	-	-	-	*0.540*
Gross/Weapon System Cost	**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**11.836**	**-**	**-**	**11.857**	**-**	**-**	**-**	**-**	**-**	**11.857**

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - HARDWARE - Ordnance Assembly Cost																		
Recurring Cost																		
1.1.1) SH042 - USMC WEAPONS ASSEMBLY STATION (A/E32K-11 LIFTING ASSLY)(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 2 / Acft Rearming Equip
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Hardware - HARDWARE - Ordnance Assembly Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - HARDWARE - Ordnance Transport Cost																		
Recurring Cost																		
2.1.1) SH036 - USMC A/M32K-4A MUN TRLR REPLACEMENT - (A/M32K-10 MUN TRLR)(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.2) SH043 - MHU-191/M CILOP - MHU-191A/M MUN TRANSPORTER(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - HARDWARE - Ordnance Transport Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - HARDWARE - Ordnance Loading Cost																		
Recurring Cost																		
3.1.1) SH038 - LALS POWER DRIVE TOOL(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.2) SH046 - USMC A/S32K-1E WEAPONS LOADER REPLACEMENT(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - HARDWARE - Ordnance Loading Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SH920 NON-RECURRING Cost																		
Non Recurring Cost																		
4.1.4) Ordnance Loading	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SH920 NON-RECURRING Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SH010 ECP Cost																		
Recurring Cost																		

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 2 / Acft Rearming Equip
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
5.1.3) Ordnance Transport ECP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.4) Ordnance Loading ECP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SH010 ECP Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SH860 Acceptance Test & Eval Cost																		
Recurring Cost																		
6.1.1) Ordnance Assembly Acceptance Testing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.2) Ordnance Transport Acceptance Testing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.3) Ordnance Loading Acceptance Testing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SH860 Acceptance Test & Eval Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SH800 ILS Cost																		
7.2) Ordnance Assembly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3) Ordnance Transport	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.4) Ordnance Loading	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SH800 ILS Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SH830 Production Engineering Cost																		
8.2) Ordnance Assembly PE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.3) Ordnance Transport PE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.4) Ordnance Loading PE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SH830 Production Engineering Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(†) indicates the presence of a P-5a

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Item Number / Title [DODIC]:** 2 / Acft Rearming Equip
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Footnotes:

(6) (SH036) A/M32K-10 Munitions Trailers Cost increase in FY16 and beyond due to Option #2 contract price.

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 2 / Acft Rearming Equip

Cost Elements	OCO	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) SH042 - USMC WEAPONS ASSEMBLY STATION (A/E32K-11 LIFTING ASSLY)		2015 (7)	TBD / TBD	C / FFP	NAWCADLKE	Jun 2015	Feb 2016	3	416,000.00	Y		Mar 2010
1.1.1) SH042 - USMC WEAPONS ASSEMBLY STATION (A/E32K-11 LIFTING ASSLY)		2016	TBD / TBD	C / FFP	NAWCADLKE	Dec 2015	Apr 2016	4	416,000.00	Y		Mar 2010
2.1.1) SH036 - USMC A/M32K-4A MUN TRLR REPLACEMENT - (A/M32K-10 MUN TRLR)(†)		2015	CAROLINA GROWLER / STAR, NC	C / FFP	NAWCADLKE	Dec 2014	Jun 2016	110	54,590.90	Y		Nov 2010
2.1.1) SH036 - USMC A/M32K-4A MUN TRLR REPLACEMENT - (A/M32K-10 MUN TRLR)(†)		2016	CAROLINA GROWLER / STAR, NC	C / FFP	NAWCADLKE	Dec 2015	Jun 2017	95	61,147.37	Y		Nov 2010
2.1.2) SH043 - MHU-191/M CILOP - MHU-191A/M MUN TRANSPORTER		2015 (8)	TBD / TBD	TBD	NAWCADLKE	Jan 2015	Sep 2015	193	6,000.00	Y		Jun 2011
2.1.2) SH043 - MHU-191/M CILOP - MHU-191A/M MUN TRANSPORTER		2016	TBD / TBD	TBD	NAWCADLKE	Jan 2016	Sep 2016	174	6,120.00	Y		Jun 2011
3.1.1) SH038 - LALS POWER DRIVE TOOL		2015 (9)	TBD / TBD	C / FFP	NAWCADLKE	Aug 2015	Feb 2016	1	750,000.00	N	Aug 2015	Sep 2014
3.1.2) SH046 - USMC A/S32K-1E WEAPONS LOADER REPLACEMENT		2016	TBD / TBD	C / FFP	NAWCADLKE	Jan 2016	Jul 2016	2	647,000.00	N	Jan 2016	Jun 2015

(†) indicates the presence of a P-21

Footnotes:

(7) Contract change due to NDI production run quote was received and exceeded original contract cost for production. After the completion of an independent government estimate it was determined the best strategy was to have a new contractor build to print using the NAVAIR owned drawing package.

(8) Contract change due to FRC ASE (formerly SEFAC) contracting procurement policy changing. FRC ASE no longer contracting large procurements.

(9) Contract change due to the Technical Data Package (TDP) that was being offered by the contractor; did not fully meet the Navy's requirement.

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Item Number / Title [DODIC]:** 2 / Acft Rearming Equip

Cost Elements (Units in Each)							Fiscal Year 2015												Fiscal Year 2016												
										Calendar Year 2015												Calendar Year 2016									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
2.1.1) SH036 - USMC A/M32K-4A MUN TRLR REPLACEMENT - (A/M32K-10 MUN TRLR) (6)																															
	1	2015	NAVY	110	-	110			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	8	9	11	79	
	1	2016	NAVY	95	-	95															A -	-	-	-	-	-	-	-	-	95	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Item Number / Title [DODIC]:** 2 / Acft Rearming Equip

Cost Elements (Units in Each)							Fiscal Year 2017												Fiscal Year 2018												
										Calendar Year 2017												Calendar Year 2018									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
2.1.1) SH036 - USMC A/M32K-4A MUN TRLR REPLACEMENT - (A/M32K-10 MUN TRLR) (6)																															
	1	2015	NAVY	110	31	79	12	12	11	11	9	8	8	8																	-
	1	2016	NAVY	95	-	95	-	-	-	-	-	-	-	-	3	7	8	9	10	10	10	9	8	7	7	7					-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Item Number / Title [DODIC]:** 2 / Acft Rearming Equip

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	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	CAROLINA GROWLER - STAR, NC	38	152	305	-	2	18	20	-	-	18	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).

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 3 / Air Launch & Recovery Equip
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	6.112	32.614	-	32.614	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	6.112	32.614	-	32.614	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**6.112**	**32.614**	**-**	**32.614**	**-**	**-**	**-**	**-**	**-**	**-**
(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 - SJ040 - Service Change Kits Cost																		
Recurring Cost																		
1.1.1) Information Systems (SJ040) (10)	-	-	0.000	-	-	-	-	-	0.225	-	-	1.650	-	-	-	-	-	1.650
1.1.2) Visual Landing Aids (SJ040) (11)	-	-	0.000	-	-	-	-	-	0.757	-	-	5.628	-	-	-	-	-	5.628
1.1.3) Launcher (SJ040) (12)	-	-	0.000	-	-	-	-	-	0.025	-	-	0.330	-	-	-	-	-	0.330
1.1.4) Recovery (SJ040) (13)	-	-	0.000	-	-	-	-	-	0.606	-	-	2.632	-	-	-	-	-	2.632
1.1.7) Recurring Engineering Support	-	-	0.000	-	-	-	-	-	0.315	-	-	2.497	-	-	-	-	-	2.497
Subtotal: Recurring Cost	-	-	*0.000*	-	-	-	-	-	*1.928*	-	-	*12.737*	-	-	-	-	-	*12.737*
Subtotal: Hardware - SJ040 - Service Change Kits Cost	-	-	*0.000*	-	-	-	-	-	*1.928*	-	-	*12.737*	-	-	-	-	-	*12.737*
Hardware - - SJ305 - Non-Recurring Engineering Cost																		
Non Recurring Cost																		
2.1.1) Information Systems - NRE (14)	-	-	0.000	-	-	-	-	-	-	-	-	3.778	-	-	-	-	-	3.778
2.1.2) Visual Landing Aids (15)	-	-	0.000	-	-	-	-	-	-	-	-	3.907	-	-	-	-	-	3.907
2.1.3) Launcher (16)	-	-	0.000	-	-	-	-	-	-	-	-	1.962	-	-	-	-	-	1.962

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 3 / Air Launch & Recovery Equip
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) Recovery	-	-	0.000	-	-	-	-	-	-	-	-	1.659	-	-	-	-	-	1.659
2.1.6) MWS - ACS (17)	-	-	0.000	-	-	-	-	-	0.500	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	*0.000*	-	-	-	-	-	*0.500*	-	-	*11.306*	-	-	-	-	-	*11.306*
Subtotal: Hardware - - SJ305 - Non-Recurring Engineering Cost	-	-	*0.000*	-	-	-	-	-	*0.500*	-	-	*11.306*	-	-	-	-	-	*11.306*
Support - SJ800 - Integrated Logistics Cost																		
3.1) Information Systems (18)	-	-	0.000	-	-	-	-	-	0.086	-	-	0.140	-	-	-	-	-	0.140
3.2) Visual Landing Aids	-	-	0.000	-	-	-	-	-	0.280	-	-	0.623	-	-	-	-	-	0.623
3.3) Launcher	-	-	0.000	-	-	-	-	-	0.232	-	-	0.175	-	-	-	-	-	0.175
3.4) Recovery	-	-	0.000	-	-	-	-	-	0.141	-	-	0.383	-	-	-	-	-	0.383
Subtotal: Support - SJ800 - Integrated Logistics Cost	-	-	*0.000*	-	-	-	-	-	*0.739*	-	-	*1.321*	-	-	-	-	-	*1.321*
Support - SJ830 - Production Engineering Cost																		
4.1) Information Systems (19)	-	-	0.000	-	-	-	-	-	0.352	-	-	0.659	-	-	-	-	-	0.659
4.2) Visual Landing Aids (20)	-	-	0.000	-	-	-	-	-	0.359	-	-	1.030	-	-	-	-	-	1.030
4.3) Launcher	-	-	0.000	-	-	-	-	-	0.239	-	-	0.156	-	-	-	-	-	0.156
4.4) Recovery (21)	-	-	0.000	-	-	-	-	-	0.416	-	-	1.905	-	-	-	-	-	1.905
Subtotal: Support - SJ830 - Production Engineering Cost	-	-	*0.000*	-	-	-	-	-	*1.366*	-	-	*3.750*	-	-	-	-	-	*3.750*
Support - SJ900 - Installation -NonFMP Cost																		
5.2) Visual Landing Aids	-	-	0.000	-	-	-	-	-	0.037	-	-	-	-	-	-	-	-	-
5.3) Launcher	-	-	0.000	-	-	-	-	-	-	-	-	0.114	-	-	-	-	-	0.114
5.4) Recovery	-	-	0.000	-	-	-	-	-	-	-	-	0.110	-	-	-	-	-	0.110
Subtotal: Support - SJ900 - Installation -NonFMP Cost	-	-	*0.000*	-	-	-	-	-	*0.037*	-	-	*0.224*	-	-	-	-	-	*0.224*
Support - SJ910 - Installation -FMP Cost																		
6.1) Information Systems	-	-	0.000	-	-	-	-	-	1.222	-	-	0.840	-	-	-	-	-	0.840
6.2) Visual Landing Aids	-	-	0.000	-	-	-	-	-	0.320	-	-	0.985	-	-	-	-	-	0.985
6.3) Launcher	-	-	0.000	-	-	-	-	-	-	-	-	0.692	-	-	-	-	-	0.692
6.4) Recovery	-	-	0.000	-	-	-	-	-	-	-	-	0.759	-	-	-	-	-	0.759
Subtotal: Support - SJ910 - Installation -FMP Cost	-	-	*0.000*	-	-	-	-	-	*1.542*	-	-	*3.276*	-	-	-	-	-	*3.276*

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 3 / Air Launch & Recovery Equip
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)
Gross/Weapon System Cost	-	-	0.000	-	-	-	-	-	6.112	-	-	32.614	-	-	-	-	-	32.614

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - SJ040 - Service Change Kits Cost																		
Recurring Cost																		
1.1.1) Information Systems (SJ040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) Visual Landing Aids (SJ040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) Launcher (SJ040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) Recovery (SJ040)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) Recurring Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ040 - Service Change Kits Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - - SJ305 - Non-Recurring Engineering Cost																		
Non Recurring Cost																		
2.1.1) Information Systems - NRE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.2) Visual Landing Aids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.3) Launcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.4) Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.6) MWS - ACS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - - SJ305 - Non-Recurring Engineering Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ800 - Integrated Logistics Cost																		
3.1) Information Systems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) Visual Landing Aids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 3 / Air Launch & Recovery Equip
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
3.3) Launcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ800 - Integrated Logistics Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ830 - Production Engineering Cost																		
4.1) Information Systems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) Visual Landing Aids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.3) Launcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.4) Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ830 - Production Engineering Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ900 - Installation -NonFMP Cost																		
5.2) Visual Landing Aids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.3) Launcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.4) Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ900 - Installation -NonFMP Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ910 - Installation -FMP Cost																		
6.1) Information Systems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) Visual Landing Aids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.3) Launcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.4) Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ910 - Installation -FMP Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:
In FY Moriah Wind Systems (MWS) - Air Capable Ships (ACS) (SJ263) and Service Life Maintenance Plan (SLMP - SJ304) are now under ARLE.

[Hardware] The quantities/funding shown are combinations of many planned hardware upgrades to a variety of Aircraft Launch and Recovery Systems and to a variety of ships/classes including CVNs, AAS, and ACS, which include various unit costs/quantities for differing fiscal years. As such, hardware recurring costs will vary significantly year to year and within each item.

Funding for the newly fielded Electromagnetic Aircraft Launch System (EMALS)through the FYDP is requested to facilitate anticipated Engineering Change Orders (ECO), Correction of Deficiencies that will be found during operational test of the system and to address parts obsolescence. EMALS replaces the steam catapult system currently installed on all Carriers.

[Hardware] Non-Recurring Engineering line items added to report costs associated with design, development, systems test and evaluation, tooling, logistics, systems engineering and project management of hardware or software Engineering Changes.

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Item Number / Title [DODIC]: 3 / Air Launch & Recovery Equip
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

[Support Cost] The Recurring Engineering Support line is for Non-Level of Effort Organic Labor at NAWCAD Lakehurst directly supporting the manufacture of hardware, assembly kits and installation kits for many of the service changes.

Footnotes:

(10) Funding associated with cost element 2.1.1 for Moriah Air Capable Ships and Moriah L Class were added to the Information Systems cost element 1.1.1 starting in FY16. Increases from FY15 to FY16 are also due to the start of an Engineering Change Proposal for an Landing Signal Operator Display System (LSODS) Display Data Control Processor (DDCP) Obsolescence Redesign effort.

(11) Increases from FY15 to FY16 are due to additional Change Kits for Visual Landing Aids (VLA) and Recovery. The most notable cost driver is the kit improvement for Improved Fresnal Lens Optical Landing System (IFLOLS) Phase IV (VLA). FY16 and FY17 includes increased funding for F-35B Optical Lighting System Procurement.

(12) The increase from FY15 to FY16 for cost element 1.1.3 is due to hardware kit procurement for ECP - Piston Assembly Guide Bolt Positive Retention Lock.

(13) Cost element 1.1.4 - Increase from FY16 to FY17 is due primarily to the Engineering Change Proposal (ECP) effort for "Water Brake PMS without Water". Advanced Recovery Control (ARC) Shorebased, cost element 3.1.1 is a component of Recovery. Therefore, cost element 3.1.1 was deleted from the P5 and consolidated with cost element 1.1.4. Increase from FY15 to FY16 for fielding Compact Swaging Machine and the Advanced Recovery Control (ARC) Hydraulic Lock modification.

(14) Cost element 2.1.1 (Information Systems NRE) created to accurately reflect ILS and engineering costs associated with Engineering Change Proposals (ECPs) and correction of obsolescence deficiencies, previously budgeted under cost elements 4.1 and 5.1. Non-Recurring costs for Moriah ACS and Moriah L Class consolidated with line item 2.1.1.

(15) Cost element 2.1.2 (VLA) created to accurately reflect funding associated with Engineering Change Proposals (ECPs) and correction of obsolescence deficiencies, previously budgeted under cost elements 3.2 (ILS) and 4.2 (PE).

(16) Cost element 2.1.3 (Launcher) created to accurately reflect cost associated with Engineering Change Proposals (ECPs) and correction of obsolescence deficiencies, previously budgeted under cost elements 3.3 (ILS) and 4.3 (PE).

(17) Starting FY16 Moriah Wind Systems - Air Capable Ships (MWS - ACS) cost element will be added to Information Systems cost element 2.1.1.

(18) Funding associated with cost element 3.1 (Moriah ACS ILS) and 6.6 (MWS L Class ILS) were added to the Information Systems cost element 3.1 starting in FY16.

(19) Costs associated with cost element 3.2 (Moriah ACS PE) and 7.6 (Moriah L Class PE) were added to the Information Systems cost element 4.1 starting in FY16. The increase from FY16 to FY17 is due to efforts with fielding Moriah Wind Systems on L Class ships.

(20) Cost element 4.2 - The increase from FY15 to FY16 is due to efforts with fielding Improved Fresnel Lens Optical Landing System (IFLOLS) Phase IV.

(21) Cost element 4.4 - The steady increase from FY15 through FY18 is due to multiple efforts with Mk-7 Arresting Gear, Advanced Recovery Control (ARC), and Compact Swaging Machine.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Modification Number / Title:** 1 / ALRE - Advanced Arresting Gear (SJ301)

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	4.951	6.256	-	6.256	2.434	2.488	2.529	2.579	8.904	30.141
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	4.951	6.256	-	6.256	2.434	2.488	2.529	2.579	8.904	30.141
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**4.951**	**6.256**	**-**	**6.256**	**2.434**	**2.488**	**2.529**	**2.579**	**8.904**	**30.141**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Advanced Arresting Gear (AAG) will replace the legacy Mark 7 arresting gear aboard Ford class aircraft carriers. AAG will provide the U.S. Navy with the ability to recover existing and projected aircraft carrier based
air vehicles well into the 21st century. AAG will provide increased operational availability, while reducing manning, maintenance and support costs.

FY14 and prior funded under Aircraft Support Equipment (BLI 4216).

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Modification Number / Title:** 1 / ALRE - Advanced Arresting Gear (SJ301)
Models of Systems Affected: MK-7 legacy - Shorebased	**Modification Type:** Advanced Arresting Gear (SJ301)	**Related RDT&E PEs:** 0604512N

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Procurement												
Modification Item 1 of 1: ALRE - Advanced Arresting Gear (SJ301)												
B Kits												
Recurring												
1.1.1) Installation Kits - NonOrganic	1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -
Subtotal: Recurring	*- / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Non-Recurring												
1.2.2) Non-Recurring Engineering - NonOrganic (22)	- / -	- / -	- / -	- / 2.016	- / -	- / 2.016	- / 1.785	- / 1.801	- / 1.849	- / 1.848	- / -	- / 9.299
1.2.2) Data - Organic (23)	- / -	- / -	- / 0.966	- / 2.701	- / -	- / 2.701	- / -	- / -	- / -	- / -	- / -	- / 3.667
Subtotal: Non-Recurring	*- / 0.000*	*- / -*	*- / 0.966*	*- / 4.717*	*- / -*	*- / 4.717*	*- / 1.785*	*- / 1.801*	*- / 1.849*	*- / 1.848*	*- / -*	*- / 12.966*
Subtotal: ALRE - Advanced Arresting Gear (SJ301)	*1 / 0.000*	*- / -*	*- / 0.966*	*- / 4.717*	*- / -*	*- / 4.717*	*- / 1.785*	*- / 1.801*	*- / 1.849*	*- / 1.848*	*- / -*	*1 / 12.966*
Subtotal: Procurement, All Modification Items	*- / 0.000*	*- / -*	*- / 0.966*	*- / 4.717*	*- / -*	*- / 4.717*	*- / 1.785*	*- / 1.801*	*- / 1.849*	*- / 1.848*	*- / -*	*- / 12.966*
Support *(All Modification Items)*												
2.1) ILS	- / 0.000	- / -	- / 0.189	- / 0.352	- / -	- / 0.352	- / 0.151	- / 0.154	- / 0.157	- / 0.160	- / 1.747	- / 2.910
2.2) PE	- / 0.000	- / -	- / 0.546	- / 1.187	- / -	- / 1.187	- / 0.498	- / 0.533	- / 0.523	- / 0.571	- / 7.157	- / 11.015
Subtotal: Support	*- / 0.000*	*- / -*	*- / 0.735*	*- / 1.539*	*- / -*	*- / 1.539*	*- / 0.649*	*- / 0.687*	*- / 0.680*	*- / 0.731*	*- / 8.904*	*- / 13.925*
Installation												
Modification Item 1 of 1: ALRE - Advanced Arresting Gear (SJ301)	- / 0.000	- / -	- / 3.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.250
Subtotal: Installation	*- / 0.000*	*- / -*	*- / 3.250*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 3.250*
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**4.951**	**6.256**	**-**	**6.256**	**2.434**	**2.488**	**2.529**	**2.579**	**8.904**	**30.141**

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Modification Number / Title:** 1 / ALRE - Advanced Arresting Gear (SJ301)

Modification Item 1 of 1: ALRE - Advanced Arresting Gear (SJ301)

Manufacturer Information

Manufacturer Name: General Atomics	Manufacturer Location: San Diego, CA
Administrative Leadtime *(in Months)*: 8	Production Leadtime *(in Months)*: 12

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

Installation Information

Method of Implementation: Contractor:: Installation Name: Installation Kits

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Prior Years	- / -	- / -	1 / 3.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.250
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	1 / 3.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.250

Installation Schedule

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

Footnotes:

(22) Non-Recurring Engineering in FY16 - FY20 to address Engineering Changes and Obsolesence of hardware, and to correct deficiencies found during Integration Test and Development Test Evaluation.

(23) Funding in FY15 and FY16 is to update drawings and specifications to address deficiencies discovered during the SDD program.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Modification Number / Title:** 2 / ALRE - ADMACS Block Upgrade (SJ302)

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	10.901	44.773	-	44.773	25.193	11.157	11.809	15.894	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	10.901	44.773	-	44.773	25.193	11.157	11.809	15.894	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**10.901**	**44.773**	**-**	**44.773**	**25.193**	**11.157**	**11.809**	**15.894**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Aviation Data Management and Control System (ADMACS) is an integrated, network-centric, shipboard aviation operations information management system, which will provide data required for aircraft carriers aviation operations planning, execution and readiness assessment. ADMACS communicates aviation and command related data elements across the ADMACS Local Area Network and Integrated Shipboard Network System that electronically displays position and location of aircraft on the flight and hangar decks, status of aircraft, Aircraft Launch and Recovery Equipment, fuel, weapons types and quantity as well as a wide variety of other aviation related and ship information. Shipboard Aviation Information Management System providing CVN Aviation Planning, Execution and Readiness Assessment.

The Milestone Decision Authority (MDA) has approved the ADMACS Block (Blk) II program rebaseline. The ADMACS program had undergone an MDA directed rebaseline due to software deficiencies found during final Developmental Testing (DT)/Shipboard testing and the resultant need to defer Initial Operational Test and Evaluation. The rebaselined program will address DT identified software deficiencies as well as address all outstanding Information Assurance (IA) requirements/mandates and will provide for necessary obsolescence upgrades on this largely Commercial Off-The Shelf system to address long term supportability. The rebaseline targets the Blk I ISNS ships first and then the remaining Blk I ships from an IA requirements perspective.

FY14 and prior funded under Aircraft Support Equipment (BLI 4216).

[Blk I/ISNS Kits - (Full)] Note also applies to cost elements 1.2.1 and 2.2.1. ADMACS Installation Modification Item 1 of 1: Installation costs include the advance planning costs (i.e. ship-check) for ADMACS which are funded and occur in the year prior to actual system installation. ADMACS installation information - Installation Cost: ADMACS Block II Upgrade is the common configuration planned for all CVNs. Depending on the system (Block I, Block I/ISNS or Block II) currently fielded, there is wide variance in the procurement and/or installation costs depending upon whether a full, completion, or upgrade Block II kit is procured or installed; current Blk I CVNs (68/72/73/74/76) and Blk I/ISNS CVNs (70/77) generally require a full Blk II kit and a full installation; current Blk II CVNs (69/71/75) require an upgrade kit only. Specifically, CVN77 and the Trainer require a completion kit.

The 3 Block II upgrade kits procured in FY14 are shown under BLI 4216 Budget. They are part of the Oct 2013 Milestone Decision Authority approved re-baseline, which are Block II upgrade kits for currently fielded Block II systems. The kits procured in FY14 are planned to be installed as follows: 2 in FY16 (Blk II upgrade to CVN 69 and 71) and 1 in FY17 (Blk II upgrade to CVN75). The funding increase from $10.9M in FY15 to $44.9M in FY16 does not present any execution challenges; FY16 funding execution is not dependent on the previous year's funding level. The FY15 funding in the budget is for obsolescence and Cybersecurity ECPs; no kit procurements, and no installs. The FY16 funding is for 3 kits, 4 ship installs, pre-planning for 2 FY17 installs, as well as continuing the obsolescence and Cybersecurity ECP efforts. In FY16, $16.5M was added to ADMACS by Task Force Cyber Awakening, as directed by the Chief of Naval Operations (CNO) in order to meet cyber security compliance. The additional funding was vetted, approved, and deemed a priority by CNO in order to pull installs for CVN74 and CVN76 into FY16 from FY20 and FY23, respectively. The time from procurement to installation varies due to: 1) constantly shifting CVN availabilities, and 2) the need to bundle procurements of several kits and do 2-year rolling obsolescence upgrade ECPs for each bundle. The 3 kits procured in FY16 are full kits, while the kit procured in FY17 is in support of a trainer with considerably reduced installation cost occurring in FY18. Installation cost for trainers is less because the install occurs in a lab based facility. The 2 kits procured in FY20 are Block II upgrade kits.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Modification Number / Title:** 2 / ALRE - ADMACS Block Upgrade (SJ302)

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Modification Number / Title:** 2 / ALRE - ADMACS Block Upgrade (SJ302)
Models of Systems Affected: ADMACS Block 2	**Modification Type:** Increase Capability	**Related RDT&E PEs:** 0604512N

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Procurement												
Modification Item 1 of 2: Block I and Block I/ISNS												
B Kits												
Recurring												
1.1.1) Blk I/ISNS Kits - (Full) - NonOrganic	- / -	- / -	- / -	3 / 11.717	- / -	3 / 11.717	- / -	- / -	- / -	- / -	- / -	3 / 11.717
1.1.2) Hardware Obsolescence ECPs - Organic	- / -	- / -	- / 2.063	- / 3.209	- / -	- / 3.209	- / 1.895	- / 1.450	- / -	- / -	- / -	- / 8.617
1.1.3) Cybersecurity - Organic	- / -	- / -	- / 2.087	- / 4.473	- / -	- / 4.473	- / 3.124	- / 1.247	- / -	- / -	- / -	- / 10.931
1.1.4) Systems Integration & Installation - Organic	- / -	- / -	- / 0.876	- / 2.573	- / -	- / 2.573	- / 1.396	- / 1.690	- / -	- / -	- / -	- / 6.535
Subtotal: Recurring	*- / 0.000*	*- / -*	*- / 5.026*	*- / 21.972*	*- / -*	*- / 21.972*	*- / 6.415*	*- / 4.387*	*- / -*	*- / -*	*- / -*	*- / 37.800*
Non-Recurring												
1.2.1) Completion Kits - NonOrganic [24]	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.809	- / -	- / -	- / -	- / -	1 / 1.809
Subtotal: Non-Recurring	*- / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.809*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.809*
Subtotal: Block I and Block I/ISNS	*- / -*	*- / -*	*- / 5.026*	*3 / 21.972*	*- / -*	*3 / 21.972*	*1 / 8.224*	*- / 4.387*	*- / -*	*- / -*	*- / -*	*4 / 39.609*
Modification Item 2 of 2: Block II												
B Kits												
Recurring												
2.1.1) Blk II Full Kits - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.001	- / 0.001
2.1.2) Hardware Obsolescence ECPs - Organic [25]	- / -	- / -	- / 1.375	- / 1.604	- / -	- / 1.604	- / 1.754	- / 0.559	- / 3.094	- / 2.641	Continuing	Continuing
2.1.3) Cyber Security - Organic [26]	- / -	- / -	- / 1.193	- / 2.074	- / -	- / 2.074	- / 2.015	- / 0.860	- / 3.277	- / 3.807	Continuing	Continuing
2.1.4) Systems Integration and Installation - Organic [27]	- / -	- / -	- / 0.502	- / 1.162	- / -	- / 1.162	- / 1.012	- / 0.638	- / 0.894	- / 1.209	Continuing	Continuing
Subtotal: Recurring	*- / 0.000*	*- / -*	*- / 3.070*	*- / 4.840*	*- / -*	*- / 4.840*	*- / 4.781*	*- / 2.057*	*- / 7.265*	*- / 7.657*	*Continuing*	*Continuing*
Non-Recurring												
2.2.1) Block II Upgrade Kits - NonOrganic [28]	- / -	3 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.382	Continuing	Continuing
Subtotal: Non-Recurring	*- / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 2.382*	*Continuing*	*Continuing*
Subtotal: Block II	*- / -*	*3 / -*	*- / 3.070*	*- / 4.840*	*- / -*	*- / 4.840*	*- / 4.781*	*- / 2.057*	*- / 7.265*	*2 / 10.039*	*Continuing*	*Continuing*
Subtotal: Procurement, All Modification Items	*- / 0.000*	*- / -*	*- / 8.096*	*- / 26.812*	*- / -*	*- / 26.812*	*- / 13.005*	*- / 6.444*	*- / 7.265*	*- / 10.039*	*Continuing*	*Continuing*
Support *(All Modification Items)*												
3.1) ILS [29]	- / -	- / -	- / 0.525	- / 1.820	- / -	- / 1.820	- / 1.550	- / 1.330	- / 1.288	- / 1.279	Continuing	Continuing
3.2) PE	- / -	- / -	- / 2.280	- / 3.396	- / -	- / 3.396	- / 4.125	- / 3.193	- / 3.256	- / 3.620	Continuing	Continuing
Subtotal: Support	*- / 0.000*	*- / -*	*- / 2.805*	*- / 5.216*	*- / -*	*- / 5.216*	*- / 5.675*	*- / 4.523*	*- / 4.544*	*- / 4.899*	*Continuing*	*Continuing*
Installation												

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Modification Number / Title:** 2 / ALRE - ADMACS Block Upgrade (SJ302)
Models of Systems Affected: ADMACS Block 2	**Modification Type:** Increase Capability	**Related RDT&E PEs:** 0604512N

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Modification Item 1 of 2: Block I and Block I/ISNS	- / 0.000	- / -	- / -	- / 7.870	- / -	- / 7.870	- / 4.453	- / 0.190	- / -	- / -	- / -	- / 12.513
Modification Item 2 of 2: Block II	- / 0.000	- / -	- / -	- / 4.875	- / -	- / 4.875	- / 2.060	- / -	- / -	- / 0.956	- / 4.776	- / 12.667
Subtotal: Installation	*- / 0.000*	*- / -*	*- / -*	*- / 12.745*	*- / -*	*- / 12.745*	*- / 6.513*	*- / 0.190*	*- / -*	*- / 0.956*	*- / 4.776*	*- / 25.180*
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**10.901**	**44.773**	**-**	**44.773**	**25.193**	**11.157**	**11.809**	**15.894**	**Continuing**	**Continuing**

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Modification Number / Title:** 2 / ALRE - ADMACS Block Upgrade (SJ302)

Modification Item 1 of 2: Block I and Block I/ISNS

Manufacturer Information

Manufacturer Name: Chugaach Alaska Corp. (30)	Manufacturer Location: Chesapeake, VA
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 11

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates			Oct 2015				
Delivery Dates			Sep 2016				

Installation Information

Method of Implementation: AIT:: Installation Name: Blk I/ISNS Kits - (Full)

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	2 / 7.870	- / -	2 / 7.870	1 / 4.453	- / -	- / -	- / -	- / -	3 / 12.323
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 7.870	- / -	2 / 7.870	1 / 4.453	- / -	- / -	- / -	- / -	3 / 12.323

Installation Schedule

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

Method of Implementation: AIT:: Installation Name: Completion Kits

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

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Modification Number / Title:** 2 / ALRE - ADMACS Block Upgrade (SJ302)

Modification Item 1 of 2: Block I and Block I/ISNS

Installation Information

Method of Implementation: AIT:: Installation Name: Completion Kits

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.190	- / -	- / -	- / -	1 / 0.190
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.190	- / -	- / -	- / -	1 / 0.190

Installation Schedule

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

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Modification Number / Title:** 2 / ALRE - ADMACS Block Upgrade (SJ302)

Modification Item 2 of 2: Block II

Manufacturer Information

Manufacturer Name: Chugaach Alaska Corp [31]	Manufacturer Location: Chesapeake, VA
Administrative Leadtime *(in Months)*: 0	Production Leadtime *(in Months)*: 0

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

Installation Information

Method of Implementation: AIT:: Installation Name: Block II Upgrade Kits

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	2 / 4.875	- / -	2 / 4.875	1 / 2.060	- / -	- / -	- / -	- / -	3 / 6.935
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.956	2 / 4.776	2 / 5.732
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 4.875	- / -	2 / 4.875	1 / 2.060	- / -	- / -	- / 0.956	2 / 4.776	5 / 12.667

Installation Schedule

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

Footnotes:

[24] FY17 completion kit is in support of a trainer with considerably reduced installation cost occurring in FY18. Installation cost for trainers is less because the install occurs in a lab based facility.

[25] Hardware obsolescence represents the organic work required to identify replacement components (and associated software) that have gone obsolete. Funding represents efforts to manage obsolescence in support of the procurement of ship sets. The identification, selection, and testing of the components is a two year process that recurs every two years to support the kit procurements. Also includes funding for the organic work to support the ECPs that will upgrade the fielded Block II ships to the rebaselined configuration.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Modification Number / Title:** 2 / ALRE - ADMACS Block Upgrade (SJ302)

(26) Broadened Cyber Security requirements drive increased efforts to remain compliant with Software Cyber Security directives and Information Assurance mandates. Maintaining compliance is critical to retaining an Authority to Operate within the Fleet.

(27) System Integration and Installation line was added to capture the organic support for maintaining and operating the Fleet Representative test lab, which was previously captured under the Production Engineering line. This line includes the procurement of any assets to update the lab and procure replacement components for equipment failures, as well as annual licenses and agreements necessary to keep the lab current and operating.

(28) The 3 Block II upgrade kits procured in FY14 are shown under BLI 4216 Budget. They are part of the Oct 2013 Milestone Decision Authority approved re-baseline, which are Block II upgrade kits for currently fielded Block II systems. The kits procured in FY14 are planned to be installed as follows: 2 in FY16 (Blk II upgrade to CVN 69 and 71) and 1 in FY17 (Blk II upgrade to CVN75). Kit Installations schedule is based on ship availability.

(29) Increase in ILS in FY16 due to the one time development of the NTSP (Navy Training Systems Plan) and implementation of the formalized schoolhouse training.

(30) Chugaach Alaska Corporation is the manufacturer for the three kit types. The time from procurement to installation varies due to: 1) constantly shifting CVN availabilities, and 2) the need to bundle procurements of several kits and do 2-year rolling obsolescence upgrade ECPs for each bundle.

(31) FY16 Install Costs include advanced planning costs of $1.917M. FY17 Install Costs include advanced planning costs of $.443M FY20 Install Costs is advanced planning costs of $.956M.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Modification Number / Title:** 3 / LAMPS MK III - SRQ(KU)-4 (S1010)

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	13.972	19.959	-	19.959	19.451	25.165	25.720	26.261	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	13.972	19.959	-	19.959	19.451	25.165	25.720	26.261	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**13.972**	**19.959**	**-**	**19.959**	**19.451**	**25.165**	**25.720**	**26.261**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Program provides for non-recurring engineering, procurement and associated installation and support of AN/SRQ-4(Ku) field install kits. This system encompasses hardware and software to transmit sensor data from the Light Airborne Multi-Purpose System (LAMPS) MK III MH-60R aircraft to the host ship classes.

The FY 2016 request funds the procurement of 8 AN/SRQ-4(Ku) field install kits and associated support and installation costs to meet the MH-60R deployment schedule.

Objective Inventory is 95 kits. (68 DDGs, 22 CGs, & 5 Shore sites). 40 kits were procured and 22 kits installed in line item 4255. 55 kits will be procured and 73 kits will be installed in line item 4213.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Modification Number / Title:** 3 / LAMPS MK III - SRQ(KU)-4 (S1010)
Models of Systems Affected: LAMPS MK III	**Modification Type:** Non-Organic	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Procurement												
Modification Item 1 of 1: LAMPS MK III - SRQ(KU)-4 (S1010)												
B Kits												
Recurring												
1.1.1) Recurring - NonOrganic (32)	14 / 0.000	4 / -	4 / 5.039	8 / 11.402	- / -	8 / 11.402	6 / 11.851	9 / 15.816	10 / 18.158	8 / 15.649	10 / 17.680	73 / 95.595
Subtotal: Recurring	*- / 0.000*	*- / -*	*- / 5.039*	*- / 11.402*	*- / -*	*- / 11.402*	*- / 11.851*	*- / 15.816*	*- / 18.158*	*- / 15.649*	*- / 17.680*	*- / 95.595*
Non-Recurring												
1.2.1) NRE - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.001	- / 0.001
Subtotal: Non-Recurring	*- / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 0.001*	*- / 0.001*
Subtotal: LAMPS MK III - SRQ(KU)-4 (S1010)	*14 / 0.000*	*4 / -*	*4 / 5.039*	*8 / 11.402*	*- / -*	*8 / 11.402*	*6 / 11.851*	*9 / 15.816*	*10 / 18.158*	*8 / 15.649*	*10 / 17.681*	*73 / 95.596*
Subtotal: Procurement, All Modification Items	*- / 0.000*	*- / -*	*- / 5.039*	*- / 11.402*	*- / -*	*- / 11.402*	*- / 11.851*	*- / 15.816*	*- / 18.158*	*- / 15.649*	*- / 17.681*	*- / 95.596*
Support *(All Modification Items)*												
2.1) Data (33)	- / -	- / -	- / 0.453	- / 1.074	- / -	- / 1.074	- / 0.878	- / 0.702	- / 1.337	- / 0.565	Continuing	Continuing
2.2) Support Equipment (34)	- / -	- / -	- / 0.429	- / 0.587	- / -	- / 0.587	- / 0.386	- / 0.785	- / 0.578	- / 0.639	Continuing	Continuing
2.3) ILS	- / -	- / -	- / 1.246	- / 1.370	- / -	- / 1.370	- / 1.318	- / 1.046	- / 1.128	- / 1.518	Continuing	Continuing
2.4) Production Engineering	- / -	- / -	- / 1.652	- / 1.759	- / -	- / 1.759	- / 1.151	- / 0.881	- / 0.772	- / 2.011	Continuing	Continuing
2.5) Acceptance Test & Evaluation	- / -	- / -	- / 0.062	- / 0.063	- / -	- / 0.063	- / 0.064	- / 0.065	- / 0.156	- / 0.213	Continuing	Continuing
2.6) GFE	- / -	- / -	- / 0.608	- / 0.368	- / -	- / 0.368	- / 0.302	- / 0.485	- / 0.227	- / 0.526	Continuing	Continuing
2.7) Interim Contractor Support	- / -	- / -	- / 0.222	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.222
2.8) Training Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.001	- / 0.001
Subtotal: Support	*- / 0.000*	*- / -*	*- / 4.672*	*- / 5.221*	*- / -*	*- / 5.221*	*- / 4.099*	*- / 3.964*	*- / 4.198*	*- / 5.472*	*Continuing*	*Continuing*
Installation												
Modification Item 1 of 1: LAMPS MK III - SRQ(KU)-4 (S1010)	- / 0.000	- / -	- / 4.261	- / 3.336	- / -	- / 3.336	- / 3.501	- / 5.385	- / 3.364	- / 5.140	- / 5,487.454	- / 5,512.441
Subtotal: Installation	*- / 0.000*	*- / -*	*- / 4.261*	*- / 3.336*	*- / -*	*- / 3.336*	*- / 3.501*	*- / 5.385*	*- / 3.364*	*- / 5.140*	*- / 5,487.454*	*- / 5,512.441*
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**13.972**	**19.959**	**-**	**19.959**	**19.451**	**25.165**	**25.720**	**26.261**	**Continuing**	**Continuing**

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Modification Number / Title:** 3 / LAMPS MK III - SRQ(KU)-4 (S1010)

Modification Item 1 of 1: LAMPS MK III - SRQ(KU)-4 (S1010)

Manufacturer Information

Manufacturer Name: L3				Manufacturer Location: Salt Lake City, UT			
Administrative Leadtime *(in Months)*: 8				Production Leadtime *(in Months)*: 28			
Dates	**FY 2014**	**FY 2015**	**FY 2016**	**FY 2017**	**FY 2018**	**FY 2019**	**FY 2020**
Contract Dates		Jun 2015	Jun 2016				
Delivery Dates		Oct 2017	Oct 2018				
Manufacturer Name: TBD (Competitive Procurement)				Manufacturer Location: TBD (Competitive Procurement)			
Administrative Leadtime *(in Months)*: 8				Production Leadtime *(in Months)*: 28			
Dates	**FY 2014**	**FY 2015**	**FY 2016**	**FY 2017**	**FY 2018**	**FY 2019**	**FY 2020**
Contract Dates				Jun 2017	Jun 2018	Jun 2019	Jun 2020
Delivery Dates				Oct 2019	Oct 2020	Oct 2021	Oct 2022

Installation Information

Method of Implementation: NAWCAD St. Inigoes Installation Team:: Installation Name: AN/SRQ-4 Installations

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Prior Years	- / -	- / -	10 / 4.261	4 / 3.336	- / 0.000	4 / 3.336	- / -	- / -	- / -	- / -	- / -	14 / 7.597
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.501	- / -	- / -	- / -	- / -	4 / 3.501
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 5.385	- / -	- / -	- / -	4 / 5.385
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 3.364	- / -	- / -	8 / 3.364
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 5.140	- / -	6 / 5.140
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 6.782	9 / 6.782
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 7.535	10 / 7.535
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 6.137	8 / 6.137
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 5,467.000	10 / 5,467.000
Total	- / -	- / -	10 / 4.261	4 / 3.336	- / -	4 / 3.336	4 / 3.501	4 / 5.385	8 / 3.364	6 / 5.140	37 / 5,487.454	73 / 5,512.441

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	1	37	73
Out	-	-	-	-	-	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	1	37	73

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4213 / Aircraft Support Equipment	**Modification Number / Title:** 3 / LAMPS MK III - SRQ(KU)-4 (S1010)

Footnotes:

(32) Recurring Cost Element 1.1.1 FY 2016 unit cost increase is due to FY 2016 being the final year of the current SRQ-4 production contract. Per the Financial Management Regulations (FMR), the fixed contract cost to support the contract through final delivery is required to be budgeted for in FY 2016. The FY 2017 increase in the unit cost is due to losing the unit cost savings from contracting the SRQ's and ARQ's together. The ARQ's were procured with MH-60R APN funding and FY 2016 is the last procurement year for the MH-60R. Since the SRQ's and ARQ's shared a production line, fixed costs traditionally shared between the two program will be paid solely under the SRQ budget starting in FY 2017. Notes for installation schedule: 1. Kits procured in Budget Line Item 4255 (FY 2014 and Prior) are being installed in this Budget Line Item commencing in FY 2015. 2. Installations are subject to changes in ship availability schedules. 3. Installation unit costs have been updated to reflect estimates based on actual install costs. 4. The year-to-year unit installation cost varies significantly exceeding the projected yearly inflation rate. The varying unit cost is due to the hardware installation cost being dependent on quantity, location (i.e., Japan, Norfolk, San Diego, etc.), ship class (i.e., DDG or CG), Shipyard (i.e. Bath or Ingalls), ship baseline configuration (i.e., Navigation System installed, A-Kit pre-install), and ship availability period overlaps. 5. Production lead time includes pre-installation checkouts, kitting with other installation hardware and drawings, and time to ship the hardware to the installation site.

(33) Cost Element 2.1, Data funding, supports ship installation documentation and Ship Change Proposals on multiple CG and DDG class ships scheduled for ship check and modernization changes as part of the fielding plan. Cost Element 2.1 increased from FY 2015 to FY 2016 due to the change of the Cruiser (CG) / Destroyer (DDG) mix of installs. The data line item provides the funds to procure the data packages a year prior to the ship installations. Data packages are significantly more expensive in CGs as compared to DDGs due to the age and individuality of the CGs.

(34) Cost Element 2.2 increase in FY 2016 to procure additional helicopter simulators (TS-4120A). These simulators will be used to verify and validate AN/SRQ-4 installations during the ship availability period as well as troubleshoot AN/SRQ-4 hardware. The simulator also replicates a MH-60R allowing the AN/SRQ-4 to operate when a MH-60R is not available. These simulators are required at each CRUISER/ DESTROYER homeport.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4214 / Acft Rearming Equip

ID Code (A=Service Ready, B=Not Service Ready) : B

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
			Program Elements for Code B Items:					**Other Related Program Elements:**				
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	216.723	11.263	-	-	-	-	-	-	-	-	-	227.986
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	216.723	11.263	-	-	-	-	-	-	-	-	-	227.986
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**216.723**	**11.263**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**227.986**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	0.053	-	-	-	-	-	-	-	-	-	0.053
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program funds the procurement of common Armament Support Equipment (ASE), and Weapons Support Equipment (WSE) under the procurement and inventory control of the Naval Inventory Control Point and the Naval Air Systems Command. This budget line supports: (a) initial outfitting for all in-production weapons systems; (b) procurement of new Support Equipment, and (c) procurement of replacement items for obsolete Support Equipment. These items support sustained operations and surge deployments of the CV battle groups. Shipboard/Shorebased WSE is utilized by weapons departments to handle, transport, and maintain weapons. Shipboard/Shorebased ASE is utilized by squadrons and supporting activities to load and service aircraft weapons and guns.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4214 / Acft Rearming Equip

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 / Acft Rearming Equip	P-5, P-5a		- / 216.723	- / 11.263	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			**- / 216.723**	**- / 11.263**	**- / -**	**- / -**	**- / -**	**- / -**

*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:
FY15 program transitions to the new BLI 4213 - Aircraft Support Equipment.

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4214 / Acft Rearming Equip	Item Number / Title [DODIC]: 1 / Acft Rearming Equip
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)*	216.723	11.263	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	216.723	11.263	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**216.723**	**11.263**	**-**	**-**	**-**	**-**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	0.053	-	-	-	-
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 - HARDWARE - Ordnance Assembly Cost																		
Recurring Cost																		
1.1.1) SH000 - Prior Years (Various Hardware Items)	-	-	118.176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) SH042 - MC WEAPONS ASSEMBLY STATION (A/E32K-11 LIFTING ASSLY)(†) (1)	1,176K	2	2.351	356,000.00	1	0.356	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*120.527*	-	-	*0.356*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - HARDWARE - Ordnance Assembly Cost	-	-	*120.527*	-	-	*0.356*	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - HARDWARE - Ordnance Transport Cost																		
Recurring Cost																		
2.1.1) SH036 - A/M32K-4A MUN TRLR REPLACEMENT - (A/M32K-10 MUN TRLR)(†) (2)	52,708.81	261	13.757	51,533.83	133	6.854	-	-	-	-	-	-	-	-	-	-	-	-
2.1.2) SH039 - A/M32U-21 ORDNANCE TRAILER(†)	218,214.29	14	3.055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.3) SH040 - LGB WEAPONS ADAPTER - (ADU-895/E LGB)	3,705.88	884	3.276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4214 / Acft Rearming Equip	Item Number / Title [DODIC]: 1 / Acft Rearming Equip
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) SH043 - MHU-191/M CILOP - MHU-191A/M MUN TRANSPORTER(†) (3)	5,781.35	311	1.798	6,625.64	195	1.292	-	-	-	-	-	-	-	-	-	-	-	-
2.1.5) SH044 - A/ F48T-6 OHE TEST STAND CILOP(†)	248,800.00	5	1.244	71,166.67	6	0.427	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*23.130*	-	-	*8.573*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - HARDWARE - Ordnance Transport Cost	-	-	*23.130*	-	-	*8.573*	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SH920 NON-RECURRING Cost																		
Non Recurring Cost																		
4.1.1) Non-Recurring Prior Years	-	-	0.880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.2) Ordnance Assembly	-	-	-	-	-	0.110	-	-	-	-	-	-	-	-	-	-	-	-
4.1.3) Ordnance Transport	-	-	0.548	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	*1.428*	-	-	*0.110*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SH920 NON-RECURRING Cost	-	-	*1.428*	-	-	*0.110*	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SH010 ECP Cost																		
Recurring Cost																		
5.1.1) ECP Prior Years	-	-	10.152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.3) Ordnance Transport ECP	-	-	0.127	-	-	0.024	-	-	-	-	-	-	-	-	-	-	-	-
5.1.4) Ordnance Loading ECP	-	-	0.460	-	-	0.017	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*10.739*	-	-	*0.041*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SH010 ECP Cost	-	-	*10.739*	-	-	*0.041*	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SH860 Acceptance Test & Eval Cost																		
Recurring Cost																		
6.1.1) Ordnance Assembly Acceptance Testing	-	-	0.380	-	-	0.108	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4214 / Acft Rearming Equip	Item Number / Title [DODIC]: 1 / Acft Rearming Equip
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)
6.1.2) Ordnance Transport Acceptance Testing	-	-	0.964	-	-	0.166	-	-	-	-	-	-	-	-	-	-	-	-
6.1.3) Ordnance Loading Acceptance Testing	-	-	0.470	-	-	0.146	-	-	-	-	-	-	-	-	-	-	-	-
6.1.4) Acceptance Test & Eval Prior Years	-	-	8.884	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*10.698*	-	-	*0.420*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SH860 Acceptance Test & Eval Cost	-	-	*10.698*	-	-	*0.420*	-	-	-	-	-	-	-	-	-	-	-	-
Support - SH800 ILS Cost																		
7.1) ILS Prior Years	-	-	0.979	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2) Ordnance Assembly	-	-	0.473	-	-	0.175	-	-	-	-	-	-	-	-	-	-	-	-
7.3) Ordnance Transport	-	-	1.148	-	-	0.222	-	-	-	-	-	-	-	-	-	-	-	-
7.4) Ordnance Loading	-	-	0.784	-	-	0.231	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SH800 ILS Cost	-	-	*3.384*	-	-	*0.628*	-	-	-	-	-	-	-	-	-	-	-	-
Support - SH830 Production Engineering Cost																		
8.1) Production Engineering Prior Years	-	-	43.131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) Ordnance Assembly PE	-	-	0.983	-	-	0.358	-	-	-	-	-	-	-	-	-	-	-	-
8.3) Ordnance Transport PE	-	-	1.624	-	-	0.392	-	-	-	-	-	-	-	-	-	-	-	-
8.4) Ordnance Loading PE	-	-	1.079	-	-	0.385	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SH830 Production Engineering Cost	-	-	*46.817*	-	-	*1.135*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	**-**	**-**	**216.723**	**-**	**-**	**11.263**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

(†) indicates the presence of a P-5a

Footnotes:

(1) (SH042) MC WEAPONS ASSEMBLY STATION (A/E32K-11 LIFTING ASSLY) Reduction in quantity in FY14 due to realignment of funds to cost code SH036 to support the urgent requirement.

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4214 / Acft Rearming Equip	**Item Number / Title [DODIC]:** 1 / Acft Rearming Equip
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

(2) (SH036) A/M32K-10 Munitions Trailers quantity increased FY14 due to being urgently needed to replace legacy A/M32K-4A Trailers which are not compatible with the prime mover vehicle and prone to overturning.

(3) (SH043) MHU-191/M CILOP - MHU-191A/M MUN TRANSPORTER Reduction in quantity in FY14 due to realignment of funds to cost code SH036 to support the urgent requirement.

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4214 / Acft Rearming Equip	Item Number / Title [DODIC]: 1 / Acft Rearming Equip

Cost Elements	OCO	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) SH042 - MC WEAPONS ASSEMBLY STATION (A/E32K-11 LIFTING ASSLY)		2014 (4)	TBD / TBD	C / FFP	NAWCADLKE	Jan 2015	Jul 2015	1	356,000.00	Y		Mar 2010
2.1.1) SH036 - A/M32K-4A MUN TRLR REPLACEMENT - (A/M32K-10 MUN TRLR)		2013	CAROLINA GROWLER / STAR, NC	C / FFP	NAWCADLKE	Dec 2012	Jan 2014	57	51,526.32	Y		Nov 2010
2.1.1) SH036 - A/M32K-4A MUN TRLR REPLACEMENT - (A/M32K-10 MUN TRLR)		2014	CAROLINA GROWLER / STAR, NC	C / FFP	NAWCADLKE	Nov 2013	Dec 2014	133	51,533.83	Y		Nov 2010
2.1.2) SH039 - A/M32U-21 ORDNANCE TRAILER		2013	CAROLINA GROWLER / Star NC	C / FFP	NAWCADLKE	Nov 2013	Jan 2014	12	135,500.00	Y		Nov 2010
2.1.4) SH043 - MHU-191/M CILOP - MHU-191A/M MUN TRANSPORTER		2012	SEFAC / SOLOMONS, MD	MIPR	NAWCADLKE	May 2012	Feb 2014	161	5,776.40	Y		Jun 2011
2.1.4) SH043 - MHU-191/M CILOP - MHU-191A/M MUN TRANSPORTER		2013	SEFAC (FY13) / SOLOMONS, MD	MIPR	NAWCADLKE	May 2013	Jun 2014	150	5,786.67	Y		Jun 2011
2.1.4) SH043 - MHU-191/M CILOP - MHU-191A/M MUN TRANSPORTER		2014 (5)	TBD / TBD	C / FFP	NAWCADLKE	Jan 2015	Feb 2016	195	6,625.64	Y		Jun 2011
2.1.5) SH044 - A/F48T-6 OHE TEST STAND CILOP		2013	Accurate Machine Company / Lancaster, CA	SS / FFP	NAWCADLKE	Jan 2014	May 2014	4	71,250.00	Y		Sep 2011
2.1.5) SH044 - A/F48T-6 OHE TEST STAND CILOP		2014	Accurate Machine Company (FY14) / Lancaster, CA	SS / FFP	NAWCADLKE	Jan 2014	Jul 2014	6	71,166.67	Y		Sep 2011

Footnotes:

(4) Contract change due to NDI production run quote was received and exceeded original contract cost for production. After the completion of an independent government estimate it was determined the best strategy was to have a new contractor build to print using the NAVAIR owned drawing package.

(5) Contract change in FY14 due to FRC ASE (formerly SEFAC) contracting procurement policy changing. FRC ASE no longer contracting large procurements.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4216 / Acft Launch & Recovery Equip
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:** 0204112N / **Other Related Program Elements:** 0604512N

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)*	218.800	58.110	-	-	-	-	-	-	-	-	-	276.910
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	218.800	58.110	-	-	-	-	-	-	-	-	-	276.910
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**218.800**	**58.110**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**276.910**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	0.038	-	-	-	-	-	-	-	-	-	0.038
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Aircraft Launch and Recovery Equipment (ALRE) program provides for the procurement of aircraft launch, recovery, visual landing aids, and related information systems as well as ancillary items required for installation aboard aircraft carriers, air capable combatant vessels, amphibious assault ships and shore stations. Procurements are initiated due to a variety of reasons including fleet-generated reports associated with safe and reliable operations of existing equipment, support of fixed and rotary wing aircraft on Air Capable Ships, and maintaining reliability, availability and maintainability of ALRE equipment.

As needs are identified, Engineering Change Proposals (ECPs) are generated and processed via a Configuration Control Board. Once approved, the ECP final product is a service change kit. These kits are identified for installation aboard applicable ships as well as shore-based installations in the ECP. Major shipboard equipment items are generally installed by shipyard personnel, alteration installation teams or Fleet Readiness Center's Voyage Repair Teams, during routine or restricted availabilities of the various ships. Service change kits support corrective actions that result from changes in operational conditions, obsolescence, and improvements in reliability, availability and maintainability.

Beginning in FY 2015, the program is budgeted under Line Item 4213 Aircraft Support Equipment.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4216 / Acft Launch & Recovery Equip

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items: 0204112N	Other Related Program Elements: 0604512N

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 / Air Launch & Recovery Equip	P-5		- / 132.098	- / 25.054	- / -	- / -	- / -	- / -
1 / Advanced Arresting Gear (SJ301) (Advanced Arresting Gear (SJ301))	P-3a		- / 54.264	- / 7.068	- / -	- / -	- / -	- / -
2 / ADMACS Block Upgrade (SJ302) (Increase Capability)	P-3a		- / 32.438	- / 25.988	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			**- / 218.800**	**- / 58.110**	**- / -**	**- / -**	**- / -**	**- / -**

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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 / Air Launch & Recovery Equip	P-5		- / -	- / -	- / -	- / -	- / -	- / -
1 / Advanced Arresting Gear (SJ301) (Advanced Arresting Gear (SJ301))	P-3a		- / -	- / -	- / -	- / -	- / -	- / 61.332
2 / ADMACS Block Upgrade (SJ302) (Increase Capability)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 58.426
Total Gross/Weapon System Cost			**- / -**	**- / -**	**- / -**	**- / -**	**- / -**	**- / 276.910**

*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:

Advanced Recovery Control System

The Advanced Recovery Control (ARC) system provides a recovery control and monitoring function. The ARC system replaces the Mark 7 (Mk-7) arresting gear Constant Run-out Valve Mechanical Actuator components and chain drive system with a computer controlled hydraulic operator. The ARC system also replaces the manually operated retract levers at the arresting gear deck edge station and associated cable system with an electronically controlled electro-hydrostatic actuator system for each engine. The ARC / CrossCheck System provides the aircraft type selected for recovery, arresting gear engine status, Improved Fresnel Lens Optical Landing System (IFLOLS) status, the targeted arresting gear wire, clear deck / foul deck status, headwind / crosswind advisory, arresting gear and IFLOLS CrossCheck indication.

Advanced Arresting Gear

Advanced Arresting Gear (AAG) will replace the legacy Mk-7 arresting gear aboard Ford class aircraft carriers. AAG will provide the U.S. Navy with the ability to recover existing and projected aircraft carrier based air vehicles well into the 21st century. AAG will provide increased operational availability, while reducing manning, maintenance and support costs.

Information Systems

Aircraft Launch and Recovery Equipment Information Systems provide critical information systems that assist in the launch, recovery, and monitoring of shipboard aircraft as well as interfaces to other shipboard information systems, to include the following:

Moriah Wind System

Moriah Wind System (MWS) provides digital wind speed and direction information, including crosswind and headwind, to support decision-making for air operations, combat, navigation, tactical planning, and weapons employment and firefighting. MWS replaces the Type F Wind Measuring and Indicating System. In addition, MWS displays Aircraft Recovery Bulletins, Launch and Recovery Envelopes and Vertical Short Take-off and Landing Bulletin Data. MWS consists of wind sensor units, a redundant wind processor unit, high-end displays and low-end displays.

Aviation Data Management and Control System

The Aviation Data Management and Control System (ADMACS) is an integrated, network-centric, shipboard aviation operations information management system, which will provide data required for aircraft carriers aviation operations planning, execution and readiness assessment. ADMACS communicates aviation and command related data elements across the ADMACS Local Area Network and Integrated

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4216 / Acft Launch & Recovery Equip	
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:** 0204112N	**Other Related Program Elements:** 0604512N

Shipboard Network System that electronically displays position and location of aircraft on the flight and hangar decks, status of aircraft, Aircraft Launch and Recovery Equipment, fuel, weapons types and quantity as well as a wide variety of other aviation related and ship information. Shipboard Aviation Information Management System providing CVN Aviation Planning, Execution & Readiness Assessment.

The ADMACS Block (Blk) II program is undergoing a Milestone Decision Authority directed rebaseline due to software deficiencies found during final Developmental Testing (DT)/Shipboard Testing and the resultant need to defer Initial Operational Test and Evaluation. The rebaselined program will address DT identified software deficiencies as well as address all outstanding Information Assurance (IA) requirements/mandates and will provide for necessary obsolescence upgrades on this largely Commercial Off-The-Shelf system to address long term supportability. The rebaseline targets the Blk I Integrated Shipboard Network System ships first and then the remaining Blk I ships from an IA requirements perspective.

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4216 / Acft Launch & Recovery Equip	Item Number / Title [DODIC]: 1 / Air Launch & Recovery Equip
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	132.098	25.054	-	-	-	-	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	132.098	25.054	-	-	-	-	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**132.098**	**25.054**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or add, due to rounding.

Cost Elements	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - SJ040 - Service Change Kits Cost																		
Recurring Cost																		
1.1.1) Information Systems (1)	-	-	0.958	-	-	0.475	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) Visual Landing Aids	-	-	4.816	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) Launcher	-	-	1.940	-	-	0.044	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) Recovery (2)	-	-	69.926	-	-	0.125	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) Recurring Engineering Support	-	-	2.491	-	-	2.596	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*80.131*	-	-	*3.440*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ040 - Service Change Kits Cost	-	-	*80.131*	-	-	*3.440*	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SJ261 - MWS Cost																		
Recurring Cost																		
2.1.1) MWS - L Class	-	-	5.638	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*5.638*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ261 - MWS Cost	-	-	*5.638*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SJ281 - ARC Cost																		
Recurring Cost																		

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4216 / Acft Launch & Recovery Equip	Item Number / Title [DODIC]: 1 / Air Launch & Recovery Equip
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) ARC Shorebased	-	-	4.844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*4.844*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ281 - ARC Cost	-	-	*4.844*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Non-Recurring Cost																		
Non Recurring Cost																		
4.1.1) Information Systems (3)	-	-	0.000	-	-	3.722	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	*0.000*	-	-	*3.722*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Non-Recurring Cost	-	-	*0.000*	-	-	*3.722*	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SJ860 - Acceptance Testing Cost																		
Recurring Cost																		
5.1.1) Recovery (SJ860)	-	-	0.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*0.050*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ860 - Acceptance Testing Cost	-	-	*0.050*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ800 - Integrated Logistics Cost																		
6.1) Information Systems (4)	-	-	1.367	-	-	0.340	-	-	-	-	-	-	-	-	-	-	-	-
6.2) Visual Landing Aids (5)	-	-	0.503	-	-	1.402	-	-	-	-	-	-	-	-	-	-	-	-
6.3) Launcher	-	-	0.161	-	-	0.169	-	-	-	-	-	-	-	-	-	-	-	-
6.4) Recovery	-	-	5.504	-	-	0.575	-	-	-	-	-	-	-	-	-	-	-	-
6.5) Service Change Kits	-	-	0.216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ800 - Integrated Logistics Cost	-	-	*7.751*	-	-	*2.486*	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ830 - Production Engineering Cost																		
7.1) Information Systems (6)	-	-	5.256	-	-	4.402	-	-	-	-	-	-	-	-	-	-	-	-
7.2) Visual Landing Aids (7)	-	-	2.339	-	-	3.398	-	-	-	-	-	-	-	-	-	-	-	-
7.3) Launcher	-	-	0.374	-	-	0.385	-	-	-	-	-	-	-	-	-	-	-	-
7.4) Recovery	-	-	1.651	-	-	3.240	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4216 / Acft Launch & Recovery Equip	Item Number / Title [DODIC]: 1 / Air Launch & Recovery Equip
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)
7.5) Service Change Kits	-	-	1.950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ830 - Production Engineering Cost	-	-	*11.570*	-	-	*11.425*	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ900 - Installation -NonFMP Cost																		
8.1) Installation - Non FMP	-	-	8.636	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.3) Visual Landing Aids	-	-	0.020	-	-	0.850	-	-	-	-	-	-	-	-	-	-	-	-
8.4) Launcher	-	-	0.080	-	-	0.040	-	-	-	-	-	-	-	-	-	-	-	-
8.5) Recovery	-	-	0.000	-	-	0.604	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ900 - Installation -NonFMP Cost	-	-	*8.736*	-	-	*1.494*	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ910 - Installation -FMP Cost																		
9.1) Installation - FMP [8]	-	-	11.894	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.2) Information Systems	-	-	0.471	-	-	1.200	-	-	-	-	-	-	-	-	-	-	-	-
9.3) Visual Landing Aids	-	-	0.395	-	-	0.198	-	-	-	-	-	-	-	-	-	-	-	-
9.4) Launcher	-	-	0.235	-	-	0.452	-	-	-	-	-	-	-	-	-	-	-	-
9.5) Recovery	-	-	0.383	-	-	0.637	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ910 - Installation -FMP Cost	-	-	*13.378*	-	-	*2.487*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	**-**	**-**	**132.098**	**-**	**-**	**25.054**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - SJ040 - Service Change Kits Cost																		
Recurring Cost																		
1.1.1) Information Systems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) Visual Landing Aids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) Launcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) Recurring Engineering Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4216 / Acft Launch & Recovery Equip	Item Number / Title [DODIC]: 1 / Air Launch & Recovery Equip
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Hardware - SJ040 - Service Change Kits Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SJ261 - MWS Cost																		
Recurring Cost																		
2.1.1) MWS - L Class	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ261 - MWS Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SJ281 - ARC Cost																		
Recurring Cost																		
3.1.1) ARC Shorebased	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ281 - ARC Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Non-Recurring Cost																		
Non Recurring Cost																		
4.1.1) Information Systems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Non-Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SJ860 - Acceptance Testing Cost																		
Recurring Cost																		
5.1.1) Recovery (SJ860)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ860 - Acceptance Testing Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ800 - Integrated Logistics Cost																		
6.1) Information Systems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) Visual Landing Aids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.3) Launcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.4) Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.5) Service Change Kits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ800 - Integrated Logistics Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ830 - Production Engineering Cost																		

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4216 / Acft Launch & Recovery Equip	Item Number / Title [DODIC]: 1 / Air Launch & Recovery Equip
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
7.1) Information Systems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2) Visual Landing Aids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3) Launcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.4) Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.5) Service Change Kits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ830 - Production Engineering Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ900 - Installation -NonFMP Cost																		
8.1) Installation - Non FMP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.3) Visual Landing Aids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.4) Launcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.5) Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ900 - Installation -NonFMP Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ910 - Installation -FMP Cost																		
9.1) Installation - FMP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.2) Information Systems	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.3) Visual Landing Aids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.4) Launcher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.5) Recovery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ910 - Installation -FMP Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:

[Hardware] 1) The funding shown in the budget in cost code SJ040 on the P-5 are combinations of several planned hardware upgrades to a variety of Aircraft Launch and Recovery Systems, as such, there is no true representation of unit costs for a specific fiscal year. Additionally, in some years it may fund a single large upgrade or many small upgrades.

[Support Cost] 2) The Recurring Engineering Support line is for Non-Level of Effort Organic Labor at NAWCAD Lakehurst directly supporting the manufacture of hardware, assembly kits and installation kits for many of the service changes.

Footnotes:

(1) Cost element 2.1.1 from P3A SJ263 was consolidated with Information Systems cost element 1.1.1 on P5.

(2) Prior Year costs under cost element 5.1.1 were moved to Recovery cost element 1.1.4.

(3) Cost element 2.2.2 from P3A SJ263 was consolidated with Information Systems cost element 4.1.1 on P5. Additionally, moved costs associated with Engineering Change Proposals (ECPs) and correction of obsolescence deficiencies, previously budgeted under cost elements 6.1 and 7.1.

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4216 / Acft Launch & Recovery Equip	**Item Number / Title [DODIC]:** 1 / Air Launch & Recovery Equip
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

(4) Cost element 3.1 from P3A SJ263 was consolidated with Information Systems cost element 6.1 on P5.

(5) Increase in FY14 due to deferred FY13 Integrated Logistics Support requirements, as a result of reallocating funds to Advanced Arresting Gear to support Land Based Test Unit procurement.

(6) Cost element 3.2 from P3A SJ263 was consolidated with Information Systems cost element 7.1 on P5. Increase in FY14 due to deferred FY13 Production Engineering requirements as a result of reallocating funds to Advanced Arresting Gear to support Land Based Test Unit procurement.

(7) Increase in FY14 due to deferred FY13 Production Engineering requirements as a result of reallocating funds to Advanced Arresting Gear to support Land Based Test Unit procurement.

(8) Cost element 4.1 from P3A SJ263 was consolidated with Information Systems cost element 9.1.1 on P5.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4216 / Acft Launch & Recovery Equip	**Modification Number / Title:** 1 / Advanced Arresting Gear (SJ301)

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)*	54.264	7.068	-	-	-	-	-	-	-	-	-	61.332
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	54.264	7.068	-	-	-	-	-	-	-	-	-	61.332
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**54.264**	**7.068**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**61.332**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Advanced Arresting Gear (AAG) will replace the legacy Mark 7 arresting gear aboard Ford class aircraft carriers. AAG will provide the U.S. Navy with the ability to recover existing and projected aircraft carrier based
air vehicles well into the 21st century. AAG will provide increased operational availability, while reducing manning, maintenance and support costs.

Kit procured in Prior Year (FY13) is a complete single wire system for the shore based Jet Car Track Site (JCTS). These AAG kits are installed under the non-Fleet Modernization Program.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4216 / Acft Launch & Recovery Equip	**Modification Number / Title:** 1 / Advanced Arresting Gear (SJ301)
Models of Systems Affected: MK-7 legacy - Shorebased	**Modification Type:** Advanced Arresting Gear (SJ301)	**Related RDT&E PEs:** 0604512N

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Procurement												
Modification Item 1 of 1: Advanced Arresting Gear (SJ301)												
B Kits												
Recurring												
2.1.1) Installation Kits - Organic [9]	1 / 51.997	- / 3.143	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 55.140
Subtotal: Recurring	*- / 51.997*	*- / 3.143*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 55.140*
Non-Recurring												
2.2.10) Acceptance Testing - Organic	- / -	- / 0.280	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.280
Subtotal: Non-Recurring	*- / 0.000*	*- / 0.280*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 0.280*
Subtotal: Advanced Arresting Gear (SJ301)	*1 / 51.997*	*- / 3.423*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*1 / 55.420*
Subtotal: Procurement, All Modification Items	*- / 51.997*	*- / 3.423*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 55.420*
Support *(All Modification Items)*												
3.1) ILS	- / 0.190	- / 0.226	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.416
3.2) PE [10]	- / 2.077	- / 3.419	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.496
3.3) Other	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	*- / 2.267*	*- / 3.645*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 5.912*
Installation												
Subtotal: Installation	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total												
Total Cost (Procurement + Support + Installation)	**54.264**	**7.068**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**61.332**

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4216 / Acft Launch & Recovery Equip	**Modification Number / Title:** 1 / Advanced Arresting Gear (SJ301)

Modification Item 1 of 1: Advanced Arresting Gear (SJ301)

Manufacturer Information

Manufacturer Name: General Atomics	Manufacturer Location: San Diego, CA
Administrative Leadtime *(in Months)*: 11	Production Leadtime *(in Months)*: 19

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

Installation Information

Method of Implementation (Organic): Organic - Installation Kits	**Installation Quantity:** 1

Footnotes:

(9) FY14 funding is to procure production representative equipment for software lifecycle support at the Runway Arrested Landing Site (RALS). RALS is a shipboard representative but only single wire system used with live aircraft in support of the lifecycle management of the system. The FY14 funding procures required non-recurring hardware items that are site specific to RALS and required for proper installation, certification and operation of the LBTU procured in FY13. These hardware items are not available in the supply system and will be locally manufactured or commercially procured. Install costs for the LBTU procured in prior years (FY13) are funded under Aircraft Support Equipment (BLI 4213) Budget in FY15.

(10) Increase in FY14 due to increased government involvement and oversight with General Atomics required due to significant changes resulting from test program.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4216 / Acft Launch & Recovery Equip	**Modification Number / Title:** 2 / ADMACS Block Upgrade (SJ302)

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)*	32.438	25.988	-	-	-	-	-	-	-	-	-	58.426
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	32.438	25.988	-	-	-	-	-	-	-	-	-	58.426
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**32.438**	**25.988**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**58.426**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Aviation Data Management and Control System (ADMACS) is an integrated, network-centric, shipboard aviation operations information management system, which will provide data required for aircraft carriers aviation operations planning, execution and readiness assessment. ADMACS communicates aviation and command related data elements across the ADMACS Local Area Network and Integrated Shipboard Network System (ISNS) that electronically displays position and location of aircraft on the flight and hangar decks, status of aircraft, Aircraft Launch and Recovery Equipment, fuel, weapons types and quantity as well as a wide variety of other aviation related and ship information. Shipboard Aviation Information Management System providing CVN Aviation Planning, Execution and Readiness Assessment.

The Milestone Decision Authority (MDA) has approved the ADMACS Block (Blk) II program rebaseline. The ADMACS program had undergone an MDA directed rebaseline due to software deficiencies found during final Developmental Testing (DT)/Shipboard testing and the resultant need to defer Initial Operational Test and Evaluation. The rebaselined program will address DT identified software deficiencies as well as address all outstanding Information Assurance (IA) requirements/mandates and will provide for necessary obsolescence upgrades on this largely Commercial Off-The Shelf system to address long term supportability. The rebaseline targets the Blk I ISNS ships first and then the remaining Blk I ships from an IA requirements perspective.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4216 / Acft Launch & Recovery Equip	**Modification Number / Title:** 2 / ADMACS Block Upgrade (SJ302)
Models of Systems Affected: ADMACS Block 2	**Modification Type:** Increase Capability	**Related RDT&E PEs:** 0604512N

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Procurement												
Modification Item 1 of 1: ADMACS Block Upgrade (SJ302)												
B Kits												
Recurring												
2.1.1) Installation Kits - NonOrganic (11)	4 / 9.473	5 / 7.532	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 17.005
2.1.2) Hardware Obsolescence ECPs - Organic (12)	- / 2.048	- / 4.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.278
2.1.3) Software Cyber Security - Organic (13)	- / 1.397	- / 5.698	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.095
2.1.4) Systems Integration and Installation - Organic (14)	- / 2.122	- / 2.326	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.448
Subtotal: Recurring	*- / 15.040*	*- / 19.786*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 34.826*
Subtotal: ADMACS Block Upgrade (SJ302)	*4 / 15.040*	*5 / 19.786*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*9 / 34.826*
Subtotal: Procurement, All Modification Items	*- / 15.040*	*- / 19.786*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 34.826*
Support *(All Modification Items)*												
3.1) ILS	- / 1.381	- / 0.637	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.018
3.2) PE	- / 4.790	- / 4.234	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.024
3.3) Other	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	*- / 6.171*	*- / 4.871*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 11.042*
Installation												
Modification Item 1 of 1: ADMACS Block Upgrade (SJ302)	- / 11.227	- / 1.331	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.558
Subtotal: Installation	*- / 11.227*	*- / 1.331*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 12.558*
Total												
Total Cost (Procurement + Support + Installation)	**32.438**	**25.988**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**58.426**

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4216 / Acft Launch & Recovery Equip	**Modification Number / Title:** 2 / ADMACS Block Upgrade (SJ302)

Modification Item 1 of 1: ADMACS Block Upgrade (SJ302)

Manufacturer Information

Manufacturer Name: Chugaach Alaska Corp	Manufacturer Location: Chesapeake, VA
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 9

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013						
Delivery Dates	Sep 2014						

Installation Information

Method of Implementation: Shipyard/AIT:: Installation Name: Installation Kits

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Prior Years	4 / 11.227	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 11.227
FY 2014	- / -	- / 1.331	2 / -	2 / -	- / -	2 / -	1 / -	- / -	- / -	- / -	- / -	5 / 1.331
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 11.227	- / 1.331	2 / -	2 / -	- / -	2 / -	1 / -	- / -	- / -	- / -	- / -	9 / 12.558

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	4	-	-	-	-	2	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Out	4	-	-	-	-	-	-	-	2	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	9

Footnotes:

(11) FY14 units costs vary widely due to the obsolescence ECPs required in FY14 to bring the three fielded versions of the system (Block I, Block I/ISNS, and Block II) into a common configuration. Unit cost varies by Block being modified and cannot be determined by a simple division of total cost by quantity. ADMACS Installation Modification Item 1 of 1: Installation costs include the advance planning costs (i.e. ship-check) for ADMACS which are funded and occur in the year prior to actual system installation. ADMACS Installation Information - Installation Cost: ADMACS Block II Upgrade is the common configuration planned for all CVNs. Depending on the system (Block I, Block I/ISNS, and Block II) currently fielded, or in some cases no system fielded at all, there is wide variance in the installation costs. The five kits procured in FY14 are part of the ADMACS Blk II Rebaseline, which was approved by the Milestone Decision Authority (MDA) on 1 Oct 2013. Installation of 3 kits procured in FY14 under BLI 4216 are delayed to FY16 (2 kits) and FY17 (1 kit) due to ship availability.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4216 / Acft Launch & Recovery Equip	**Modification Number / Title:** 2 / ADMACS Block Upgrade (SJ302)

(12) Hardware obsolescence represents the organic work required to identify replacement components (and associated software) that have gone obsolete in support of system procurements. Funding represents efforts to manage obsolescence in support of the procurement of ship sets. The identification, selection and testing of the components is a two year process that recurs every two years to support the kit procurements. Also includes funding for the organic work to support the ECPs that will upgrade the fielded Block II ships to the rebaselined configuration.

(13) Broadened Cyber Security requirements require increased efforts to remain compliant with Software Cyber Security directives and Information Assurance mandates, maintaining compliance is critical to maintaining an Authority to Operate within the Fleet.

(14) System Integration and Installation line was added to capture the organic support for maintaining and operating the fleet representative test lab, which was previously captured under the Production Engineering line. This line includes the procurement of any assets to update the lab and procure replacement components for equipment failures as well as annual licenses and agreements necessary to keep the lab current and operating. Increased systems integration and installation in FY14 is required to effectively integrate the higher security ADMACS with other existing systems to maintain effective interfaces with programs such as N-UCAS, JPALS, JSF and SPN-46.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4226 / Meteorological Equipment

ID Code (A=Service Ready, B=Not Service Ready) : A

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
			Program Elements for Code B Items:					Other Related Program Elements:				
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	62.761	19.118	12.825	15.090	-	15.090	13.397	12.992	13.342	13.132	-	162.657
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	62.761	19.118	12.825	15.090	-	15.090	13.397	12.992	13.342	13.132	-	162.657
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**62.761**	**19.118**	**12.825**	**15.090**	**-**	**15.090**	**13.397**	**12.992**	**13.342**	**13.132**	**-**	**162.657**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	1.208	0.506	0.267	-	0.267	0.327	0.188	0.192	0.196	Continuing	Continuing
Flyaway Unit Cost *($ in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This item provides new and replacement meteorological equipment for Navy and Marine Corps Air Stations, Navy ships, USMC Operational Forces units and other activities required to provide weather observations and provide safety of flight capabilities. The procurement has been coordinated with other DOD and civilian agencies. Equipment is funded under the following programs:

[P40A / SP051 Satellite Receiver Upgrades (Space)]: Environmental satellite receivers used to receive and process remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA) satellites, the Joint Polar-orbiting Satellite System (JPSS) formerly National Polar-orbiting Operational Environmental Satellite System (NPOESS) satellites, the Geostationary Operational Environmental Satellites (GEOSAT), the GEOSAT Follow-On satellite, and the Geostationary Satellite Families (GOES-R). The evolutionary upgrades will enhance weather service capabilities to receive and pre-process additional environmental satellite data, comply with open systems architecture standards, and provide for antenna and processor replacement. Specifically, in the remote sensing efforts, integration of next generation of polar and geostationary orbiting satellite families and new sensors of opportunity are incorporated in hardware design and software development into existing systems.

[P40A / SP200 Hazardous Weather Detection & Display Capability (HWDDC)]: The HWDDC provides near real-time severe weather information (thunderstorms, high winds, turbulence, etc.) to ship personnel. HWDDC is a key safety of aviation and navigation enabler and also supports efficient planning and execution of aircraft and small boat launch/recovery operations. The HWDDC technology is integrated with the AN/SPS-48E, & the next generation AN/SPS-48G, three-dimensional (3D) FRESCAN (Frequency Scan) air search and weapons control radar. A similar weather radar capability for ships, the Tactical Environmental Processor (TEP), will leverage HWDDC technology for use on AN/SPY-1 configured ships.

[P40A / SP400 METOC Satellite Data Exploitation Readiness]: Readiness for planned next-generation polar-orbiting and geostationary satellites will require the procurement and installation of software and hardware products necessary to accommodate the significantly increased data stream from advanced instruments as compared with the previous Defense Meteorological Satellite Program, Polar-orbiting Operational Environmental Satellite, and geostationary satellites. The Navy Production Centers at Fleet Numerical Meteorology and Oceanography Center (FNMOC), Monterey, CA, and the Naval Oceanographic Office (NAVOCEANO), Stennis Space Center, MS, require upgrades of their Storage Area Networks (SAN) and increased data processing capability for their assimilation, analysis and forecasting systems.

[P40A / SP550 METOC SASC Upgrades]: Procurement of Government Off-The-Shelf/Commercial Off-The-Shelf hardware, and associated software upgrades for the 67 fielded Automated Surface Observing Systems (ASOS) and the nine fielded Supplemental Weather Radars (SWR). Both atmospheric sensing systems are essential for aviation safety, Naval Aviation operations and resource protection. ASOS procurements under this project will provide required system upgrades as required by the National Weather Service Interagency Agreement.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4226 / Meteorological Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:**

[P40A / SP600 Littoral Battlespace Sensors - Unmanned Undersea Vehicles (LBS-UUV)]: Procures Unmanned Undersea Vehicle ocean sensor systems. These include electrical powered, short duration (~days) Autonomous Undersea Vehicles (AUV) and long duration (~months) buoyancy driven ocean Gliders which carry sensors that characterize the ocean bottom (bathymetry, imagery, etc.) and sense ocean volume parameters (conductivity, temperature, depth, optical clarity, currents, etc.). The AUVs are preprogrammed with mission profiles and once launched are totally autonomous. The Ocean Gliders are controlled remotely from the Naval Oceanographic Office (NAVOCEANO), Stennis Space Center, MS from the Glider Operations Center (GOC).

[P40A / SP190 TESS/NITES]: Tactical Enviornmental Support System/Naval Integrated Tactical Environmental System (TESS/NITES), procurement of Mobile Tactical Systems technology refresh and rapidly deploy highly specialized Government Owned Tactical Software to USN and USMC forward deployed units around the globe. TESS/NITES systems provide support to aviation flight safety, operations strike missions, shipboard safety of navigation, USMC ground forces, special operations, and multi-spectral asymmetric warfare.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4226 / Meteorological Equipment

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost *(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)*
Meteorological Equipment	P-40a, P-5a		- / 62.761	- / 19.118	- / 12.825	- / 15.090	- / -	- / 15.090
Total Gross/Weapon System Cost			**- / 62.761**	**- / 19.118**	**- / 12.825**	**- / 15.090**	**- / -**	**- / 15.090**

*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 primary focus of the FY 2016 request is the Littoral Battlespace Sensors - Unmanned Undersea Vehicles (LBS-UUV) Program's upgrades/backfits and Glider replacement units, the continuation of upgrades to the environmental satellite data receivers/processers, the procurement of Mobile Tactical System technology refresh and the Meteorological and Oceanographic Surface-based Atmospheric Sensing Capability (METOC SASC) family of systems.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4226 / Meteorological Equipment	Aggregated Items Title: Meteorological Equipment

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
1) SP051 Satellite Receiver Upgrades (Space) (1)																				
1.1) AN/FMQ-17 Satellite Receiver Upgrade Kit(†)	A		68.143	7	0.477	70.500	4	0.282	72.000	7	0.504	73.333	3	0.220	-	-	-	73.333	3	0.220
1.2) AN/SMQ-11 Satellite Receiver Upgrade Kit(†)	A		50.421	19	0.958	52.000	3	0.156	53.000	1	0.053	-	-	-	-	-	-	-	-	-
1.3) AN/FMQ-17 Antenna Positioner Upgrade Kit(†)	A		-	-	-	-	-	-	-	-	-	245.000	1	0.245	-	-	-	245.000	1	0.245
1.4) AN/SMQ-11 Antenna Pedestal Upgrade Kit(†)	A		168.350	20	3.367	186.000	4	0.744	189.667	3	0.569	193.500	4	0.774	-	-	-	193.500	4	0.774
Subtotal: 1) SP051 Satellite Receiver Upgrades (Space)			-	-	*4.802*	-	-	*1.182*	-	-	*1.126*	-	-	*1.239*	-	-	-	-	-	*1.239*
2) SP200 Hazardous Weather Detection & Display Capability (HWDDC)																				
2.1) SPS-48E Variant(†)	A		135.500	4	0.542	136.000	2	0.272	-	-	-	-	-	-	-	-	-	-	-	-
2.2) SPS-48G Variant(†)	A		271.000	3	0.813	271.000	1	0.271	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) SP200 Hazardous Weather Detection & Display Capability (HWDDC)			-	-	*1.355*	-	-	*0.543*	-	-	-	-	-	-	-	-	-	-	-	-
3) SP400 METOC Satellite Data Exploitation Readiness (2)																				
3.1) FNMOC Upgrades(†)	A		941.333	3	2.824	1,647.000	1	1.647	2,088.000	1	2.088	1,190.000	1	1.190	-	-	-	1,190.000	1	1.190
3.2) NAVOCEANO Upgrades(†)	A		419.667	3	1.259	1,098.000	1	1.098	1,407.000	1	1.407	826.000	1	0.826	-	-	-	826.000	1	0.826
Subtotal: 3) SP400 METOC Satellite Data Exploitation Readiness			-	-	*4.083*	-	-	*2.745*	-	-	*3.495*	-	-	*2.016*	-	-	-	-	-	*2.016*
4) SP550 METOC SASC Upgrades																				
4.1) ASOS Upgrades (3)(†)	A		95.382	55	5.246	47.391	69	3.270	34.037	82	2.791	55.880	50	2.794	-	-	-	55.880	50	2.794
4.2) SWR Upgrades (4)(†)	A		44.500	18	0.801	60.000	14	0.840	60.647	17	1.031	51.000	16	0.816	-	-	-	51.000	16	0.816
Subtotal: 4) SP550 METOC SASC Upgrades			-	-	*6.047*	-	-	*4.110*	-	-	*3.822*	-	-	*3.610*	-	-	-	-	-	*3.610*
5) SP600 Littoral Battlespace Sensors - Unmanned Undersea Vehicles (LBS-UUV) (5)																				

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4226 / Meteorological Equipment	Aggregated Items Title: Meteorological Equipment

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
5.1) Littoral Battlespace Sensors - Gliders (LBS-G)(†)	A		145.299	134	19.470	155.000	26	4.030	-	-	-	198.000	23	4.554	-	-	-	198.000	23	4.554
5.2) Littoral Battlespace Sensors - Autonomous Undersea Vehicles (LBS-AUV)(†)	A		2,440.000	4	9.760	2,525.000	1	2.525	2,600.000	1	2.600	-	-	-	-	-	-	-	-	-
5.3) Littoral Battlespace Sensors - (LBS-AUV) Shipset(†)	A		1,900.000	1	1.900	2,000.000	1	2.000	-	-	-	-	-	-	-	-	-	-	-	-
5.4) UUV Upgrades/ Backfits	A		-	-	0.500	-	-	0.515	-	-	0.810	-	-	0.300	-	-	-	-	-	0.300
Subtotal: 5) SP600 Littoral Battlespace Sensors - Unmanned Undersea Vehicles (LBS-UUV)			-	-	*31.630*	-	-	*9.070*	-	-	*3.410*	-	-	*4.854*	-	-	-	-	-	*4.854*
6) METMF (R) NEXGEN (OCO)																				
6.1) METMF (R) NEXGEN	A		2,050.000	4	8.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) METMF (R) NEXGEN Sub-Systems	A		633.333	3	1.900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) METMF (R) NEXGEN (OCO)			-	-	*10.100*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) SP555 Production Support																				
7.1) TESS/NITES	A		-	-	-	-	-	-	-	-	-	-	-	0.240	-	-	-	-	-	0.240
7.2) Satellite Receiver Upgrades	A		-	-	0.172	-	-	0.099	-	-	0.089	-	-	0.083	-	-	-	-	-	0.083
7.3) LBS-UUV	A		-	-	1.586	-	-	0.556	-	-	0.250	-	-	0.208	-	-	-	-	-	0.208
7.4) METMF (R) NEXGEN (OCO)	A		-	-	0.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7) SP555 Production Support			-	-	*2.458*	-	-	*0.655*	-	-	*0.339*	-	-	*0.531*	-	-	-	-	-	*0.531*
8) SP776 Non-FMP																				
8.1) Satellite Receiver Upgrades	A		-	-	0.511	-	-	0.311	-	-	0.416	-	-	0.329	-	-	-	-	-	0.329
Subtotal: 8) SP776 Non-FMP			-	-	*0.511*	-	-	*0.311*	-	-	*0.416*	-	-	*0.329*	-	-	-	-	-	*0.329*
9) SP777 FMP																				
9.1) Satellite Receiver Upgrades	A		-	-	1.530	-	-	0.345	-	-	0.217	-	-	0.251	-	-	-	-	-	0.251
9.2) HWDDC	A		-	-	0.245	-	-	0.157	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4226 / Meteorological Equipment	**Aggregated Items Title:** Meteorological Equipment

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
Subtotal: 9) SP777 FMP			-	-	*1.775*	-	-	*0.502*	-	-	*0.217*	-	-	*0.251*	-	-	-	-	-	*0.251*
10) SP190 TESS/NITES (6)																				
10.1) Mobile Tactical System(†)	A		-	-	-	-	-	-	-	-	-	2.800	590	1.652	-	-	-	2.800	590	1.652
10.2) Hardware Components(†)	A		-	-	-	-	-	-	-	-	-	8.000	76	0.608	-	-	-	8.000	76	0.608
Subtotal: 10) SP190 TESS/NITES			-	-	*0.000*	-	-	-	-	-	-	-	-	*2.260*	-	-	-	-	-	*2.260*
Total			**-**	**-**	**62.761**	**-**	**-**	**19.118**	**-**	**-**	**12.825**	**-**	**-**	**15.090**	**-**	**-**	**-**	**-**	**-**	**15.090**

(†) indicates the presence of a P-5a

Footnotes:

(1) Quantities represent the number of sites/platforms upgraded annually.

(2) Quantities and unit costs represent upgrades to the super computers at the two METOC Production Centers: the Fleet Numerical Meteorology and Oceanography Center (FNMOC) and the Naval Oceanographic Office (NAVOCEANO). Upgrades consist of data processing and communications hardware and vary annually depending on the launch of various Navy, joint, interagency, and international METOC satellite systems. The increase in unit cost from FY14 to FY15 reflects the need for additional hardware to ingest, store, and process an increase in environmental weather satellite sensor data from full activation of Geostationary Operational Environmental Satellite R-Series (GOES-R), METEOSTAT (MSG-4), JASON-3, COSMIC 2(1-6), EarthCARE, and Sentinel 3B. Unit costs represent the average unit cost of each planned Hardware/Software procurement or refresh procured from various vendors which varies based on subsystem, site or platform. NAVOCEANO and FNMOC procure computer system hardware through SPAWAR 2.0 via 8a vendor contracts.

(3) Quantities represent the number of sites upgraded annually for ASOS and SWR Upgrades; multiple upgrades may occur at a single site in a given year. Upgrades are GOTS/COTS hardware and associated software for installed Automated Surface Observing System (ASOS). Unit costs represent the average unit cost of each planned Hardware/Software procurement or refresh which varies based on subsystem, site or platform. ASOS Upgrades - FY 2016 quantities represent 35 ACU Phase 1 kits (hardware and software) And 15 ACU Phase II kits.

(4) Quantities represent the number of sites upgraded annually for ASOS and SWR Upgrades; multiple upgrades may occur at a single site in a given year. Upgrades are GOTS/COTS hardware and associated software for installed Automated Surface Observing System (ASOS). Unit costs represent the average unit cost of each planned Hardware/Software procurement or refresh which varies based on subsystem, site or platform. SWR Upgrades - FY 2016 quantities represent 5 IQ2 replacements and 11 EDGE Workstation III Central Processing Unit (CPU) upgrades.

(5) Littoral Battlespace Sensors - Autonomous Undersea Vehicles (LBS-AUV) are broken out between AUV units and AUV Shipsets. Shipsets consist of the operation van, maintenance van, and launch & recovery system. Littoral Battlespace Sensors - Gliders (LBS-G) FY16 - FY20 quantities represent replacement units. LBS-UUV Upgrades/Backfits represent AUV and Glider system improvements and back-fits and forward-fits.

(6) TESS/NITES Mobile Tactical Systems and hardware components are loaded and configured with specialized GOTS METOC Tactical Decision Aid software and forward deployed with USN and USMC forward operating units afloat and ashore.

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4226 / Meteorological Equipment	Aggregated Items: Meteorological Equipment

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) SP051 Satellite Receiver Upgrades (Space)												
1.1) AN/FMQ-17 Satellite Receiver Upgrade Kit		2014	Raytheon / Indianpolis	C / CPFF	SPAWAR	Feb 2014	Jun 2014	4	70.500	Y		Jun 2011
1.1) AN/FMQ-17 Satellite Receiver Upgrade Kit		2015	Raytheon / Indianpolis	C / CPFF	SPAWAR	Feb 2015	Jun 2015	7	72.000	Y		Jun 2011
1.1) AN/FMQ-17 Satellite Receiver Upgrade Kit		2016	Raytheon / Indianapolis	C / CPFF	SPAWAR	Feb 2016	Jun 2016	3	73.333	Y		Jun 2011
1.2) AN/SMQ-11 Satellite Receiver Upgrade Kit		2014	Raytheon / Indianapolis.	C / CPFF	SPAWAR	Feb 2014	Jun 2014	3	52.000	Y		Jun 2011
1.2) AN/SMQ-11 Satellite Receiver Upgrade Kit		2015	Raytheon / Indianapolis.	C / CPFF	SPAWAR	Feb 2015	Jun 2015	1	53.000	Y		Jun 2011
1.3) AN/FMQ-17 Antenna Positioner Upgrade Kit		2016	Raytheon / Indianapolis	C / CPFF	SPAWAR	Feb 2016	Jun 2016	1	245.000	Y		Jun 2011
1.4) AN/SMQ-11 Antenna Pedestal Upgrade Kit		2014	Raytheon / Indianapolis.	C / CPFF	SPAWAR	Feb 2014	Jun 2014	4	186.000	Y		Jun 2011
1.4) AN/SMQ-11 Antenna Pedestal Upgrade Kit		2015	Raytheon / Indianapolis.	C / CPFF	SPAWAR	Feb 2015	Jun 2015	3	189.667	Y		Jun 2011
1.4) AN/SMQ-11 Antenna Pedestal Upgrade Kit		2016	Raytheon / Indianapolis	C / CPFF	SPAWAR	Feb 2016	Jun 2016	4	193.500	Y		Jun 2011
2) SP200 Hazardous Weather Detection & Display Capability (HWDDC)												
2.1) SPS-48E Variant		2014	Science Applications International Corporation / Virginia	C / CPFF	SSC PAC	May 2014	Jul 2014	2	136.000	Y		Feb 2009
2.2) SPS-48G Variant		2014	Basic Commerce & Industries / Moorestown, NJ	C / CPFF	SSC PAC	Mar 2014	May 2014	1	271.000	Y		Feb 2009
3) SP400 METOC Satellite Data Exploitation Readiness												
3.1) FNMOC Upgrades		2014	Alliance Technology Solutions, LLC / Michigan	C / FFP	SPAWAR	Jul 2014	Aug 2014	1	1,647.000	Y		
3.1) FNMOC Upgrades		2015	UNKNOWN / UNKNOWN	C / FFP	SPAWAR	Apr 2015	Jul 2015	1	2,088.000	Y		
3.1) FNMOC Upgrades		2016	UNKNOWN / UNKNOWN	C / FFP	SPAWAR	Apr 2016	Jul 2016	1	1,190.000	Y		
3.2) NAVOCEANO Upgrades		2014	Fort Peck Tech Services / Poplar, MT	C / FFP	SPAWAR	Apr 2014	Jul 2014	1	1,098.000	Y		
3.2) NAVOCEANO Upgrades		2015	Fort Peck Tech Services. / Poplar, MT	C / FFP	SPAWAR	Apr 2015	Jul 2015	1	1,407.000	Y		
3.2) NAVOCEANO Upgrades		2016	Fort Peck Tech Services. / Poplar, MT	C / FFP	SPAWAR	Apr 2016	Jul 2016	1	826.000	Y		
4) SP550 METOC SASC Upgrades												
4.1) ASOS Upgrades (3)		2014	National Weather Service (NWS) / MD	MIPR	NWS	Dec 2013	Apr 2014	69	47.391	Y		
4.1) ASOS Upgrades (3)		2015	National Weather Service (NWS) / MD	MIPR	NWS	Dec 2014	Apr 2015	82	34.037	Y		
4.1) ASOS Upgrades (3)		2016	National Weather Service (NWS) / MD	MIPR	NWS	Dec 2015	Apr 2016	50	55.880	Y		
4.2) SWR Upgrades (4)		2014	Enterprise Electronics Corp. / AL	C / FP	SSC LANT	Dec 2013	May 2014	14	60.000	Y		Nov 2010

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4226 / Meteorological Equipment	Aggregated Items: Meteorological Equipment

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.2) SWR Upgrades (4)		2015	Enterprise Electronics Corp. / AL	C / FP	SSC LANT	Dec 2014	May 2015	17	60.647	Y		Nov 2010
4.2) SWR Upgrades (4)		2016	Enterprise Electronics Corp. / AL	C / FP	SSC LANT	Dec 2015	May 2016	16	51.000	Y		Nov 2010
5) SP600 Littoral Battlespace Sensors - Unmanned Undersea Vehicles (LBS-UUV)												
5.1) Littoral Battlespace Sensors - Gliders (LBS-G)		2014	Teledyne Brown Eng / AL	C / CPIF	SPAWAR	Feb 2014	Dec 2014	26	155.000	Y		Apr 2008
5.1) Littoral Battlespace Sensors - Gliders (LBS-G)		2016	Teledyne Brown Eng. / AL.	C / CPIF	SPAWAR	Feb 2016	Jan 2017	23	198.000	Y		Apr 2008
5.2) Littoral Battlespace Sensors - Autonomous Undersea Vehicles (LBS-AUV)		2014	Hydroid, Inc. / MA.	C / FFP	SPAWAR	Feb 2014	Jan 2015	1	2,525.000	Y		Oct 2009
5.2) Littoral Battlespace Sensors - Autonomous Undersea Vehicles (LBS-AUV)		2015	Hydroid, Inc. / MA.	C / FFP	SPAWAR	Feb 2015	Jan 2016	1	2,600.000	Y		Oct 2009
5.3) Littoral Battlespace Sensors - (LBS-AUV) Shipset		2014	Hydroid, Inc. / MA.	C / FFP	SPAWAR	Feb 2014	Jan 2015	1	2,000.000	Y		Oct 2009
10) SP190 TESS/NITES												
10.1) Mobile Tactical System		2016	TBD / TBD	C / FP	SSC PAC	Feb 2016	Oct 2016	590	2.800	Y		Dec 2015
10.2) Hardware Components		2016	TBD / TBD	C / FP	SSC PAC	Feb 2016	Oct 2016	76	8.000	Y		Dec 2015

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4242 / DCRS/DPL

ID Code (A=Service Ready, B=Not Service Ready) : A

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
			Program Elements for Code B Items:					**Other Related Program Elements:**				
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	94.310	1.425	1.415	0.638	-	0.638	0.652	0.665	0.679	0.698	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	94.310	1.425	1.415	0.638	-	0.638	0.652	0.665	0.679	0.698	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**94.310**	**1.425**	**1.415**	**0.638**	**-**	**0.638**	**0.652**	**0.665**	**0.679**	**0.698**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	0.134	0.127	0.142	-	0.142	0.148	0.079	0.037	-	-	0.667
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Digital Camera Receiving Station/Afloat Multi-Media Production System (DCRS/AMMPS) The Naval Air Systems Command is tasked to support digital imagery shipboard photographic requirements (Chief of Naval Operations (CNO) Memo Ser 09B/2U2501983 of 23 Oct 92 applies). In FY13, AMMPS transitioned to the Naval Sea Systems Command.

The DCRS is a combat system located in the Carrier Intelligence Center that processes classified Bomb Hit Assessment and target imagery. DCRS supports near real-time over-the-horizon imagery transfer, as well as post-mission playback of imagery obtained from aircraft sensors. DCRS is a one rack system with a multiple PC workstations for video editing and playback, media receptacles for aircraft data transfer devices, and communications equipment to support Fast Tactical Imagery. Equipment and software are updated through field change/tech refresh installations scheduled every three years for each Carrier Vessel/Carrier Vessel Nuclear (CV/CVN).

Afloat Multimedia Production System (AMMPS) - is an afloat multimedia production capability for surface forces. It is an unclassified system used to ensure National Command Authority, DoD, Joint and Navy commanders, the Carrier Strike Group (CSG), Expeditionary Strike Group (ESG), and Amphibious Ready Group (ARG) are provided with mission essential media products. The system processes information for incidents and accidents at sea, shipboard investigations, medical records, combat camera, safety, training, and Public Affairs Office functions and produces media of real world events (e.g. drug interdiction programs, humanitarian relief efforts, shipboard and flight operations) viewed by the CNO, Secretary of the Navy, Joint Chiefs of Staff, National Military Command Center, and the White House. Digital imagery can be quickly disseminated via shipboard communication systems to support decision makers at all levels. It comprises seven public affairs production subsystems providing media services to the crew, their families and external customers.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4242 / DCRS/DPL
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)*
DCRS/AMMPS	P-40a		- / 94.310	- / 1.425	- / 1.415	- / 0.638	- / -	- / 0.638
Total Gross/Weapon System Cost			**- / 94.310**	**- / 1.425**	**- / 1.415**	**- / 0.638**	**- / -**	**- / 0.638**

*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 funds the baseline program for DCRS and AMMPS. DCRS supports near real-time over-the-horizon imagery transfer, as well as post-mission playback of imagery obtained from aircraft sensors. AMMPS is an unclassified system used to ensure National Command Authority, DoD, Joint and Navy commanders, the Carrier Strike Group (CSG), Expeditionary Strike Group (ESG), and Amphibious Ready Group (ARG) are provided with mission essential media products.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4242 / DCRS/DPL	**Aggregated Items Title:** DCRS/AMMPS

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) DCRS/DPL																				
1.1) SX020 Afloat Multi-Media Production System Workcenter [1]	A		141,397.26	73	10.322	135,333.33	3	0.406	133,000.00	3	0.399	-	-	-	-	-	-	-	-	-
1.2) SX021 Digital SLR Color Camera	A		16,347.31	167	2.730	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) SX100 Digital Camera Receiving Station	A		164,454.55	66	10.854	159,333.33	3	0.478	155,333.33	3	0.466	158,333.33	3	0.475	-	-	-	158,333.33	3	0.475
1.4) AMMPS Other Costs	A		-	-	31.649	-	-	0.245	-	-	0.250	-	-	-	-	-	-	-	-	-
1.5) DCRS Other Costs	A		-	-	38.755	-	-	0.296	-	-	0.300	-	-	0.163	-	-	-	-	-	0.163
Subtotal: 1) DCRS/DPL			-	-	*94.310*	-	-	*1.425*	-	-	*1.415*	-	-	*0.638*	-	-	-	-	-	*0.638*
Total			**-**	**-**	**94.310**	**-**	**-**	**1.425**	**-**	**-**	**1.415**	**-**	**-**	**0.638**	**-**	**-**	**-**	**-**	**-**	**0.638**

Footnotes:

[1] AMMPS was formerly known as Digital Photo Lab (DPL).

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4244 / Aviation Life Support

ID Code (A=Service Ready, B=Not Service Ready) : A

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
			Program Elements for Code B Items:					**Other Related Program Elements:**				
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	288.772	29.588	-	-	-	-	-	-	-	-	-	318.360
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	288.772	29.588	-	-	-	-	-	-	-	-	-	318.360
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**288.772**	**29.588**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**318.360**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	0.780	-	-	-	-	-	-	-	-	-	0.780
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Program provides for the acquisition, upgrade, and production support of aviation life support systems required for the personal safety and protection of aircrew against the hazards encountered in the aircraft operating environment and for safe recovery of downed aircrew.

Note: Elements of Cost that are not currently funded in the FYDP are no longer included in the "Prior Year" column.

[P5 / CSEL - SY060]: COMBAT SURVIVOR EVADER LOCATOR - SY060 (Baseline)
CSEL has been designated as an ACAT III Joint Service Program with the USAF as lead service. The CSEL Radio system provides U.S. combat forces with secure, encrypted, low probability of exploitation, two-way, over the horizon, near real time databurst communications with integral precise geopositioning; and non-secure, unencrypted line-of-sight voice and beacon capability to support survival, evasion, and personnel recovery operations. The user segment of the CSEL system is composed of a battery operated Hand Held Radio (HHR) (AN/PRQ-7), a Radio Set Adapter (J-6431/PRQ-7), a Global Positioning System (GPS) antenna and coupler, and a laptop Central Processing Unit with software for loading the HHR CSEL Planning Computer. Fielding of CSEL radios will provide 100% coverage of radios to Aviation personnel that currently lack military GPS enabled radios today.

[P5 / LEP- SY080]: LASER EYE PROTECTION - SY080 (Baseline)
The LEP program is a family of eye protection solutions that will provide Fixed, Rotary Wing and Patrol pilots and aircrew with multiple wavelength fixed threat and hazard protection during day and night unaided and Night Vision Goggle aided missions. LEP will consist of a suite of products to include spectacles, googles, and visors. The LEP (visor, spectacle or goggle format) is being developed for compatibility with all required USN/USMC Aviation Life Support Equipment as well as cockpit displays, night vision, and fire control systems.

[P5 / JHMCS Night Vision - SY215]: JOINT HELMET MOUNTED CUEING SYSTEM NIGHT VISION - SY215 (Baseline)
This system provides aircraft equipped with the JHMCS the ability to cue and display weapons and sensors at night using a Night Vision Cueing and Display device that integrates the JHMCS cueing and display symbology. The system is compatible with the current JHMCS helmet and will use the power and data provided by the JHMCS Universal Connector on the helmet. The System includes a high resolution image intensifier assembly, a camera to record the pilot's visual scene and display. The system is fully adjustable by the operator and is detachable from the helmet.

[P5 / FDC - SY505]: FLIGHT DECK CRANIAL AND HEARING PROTECTION - SY505 (Baseline) The Flight Deck Cranial Program has been divided into three increments by the Milestone Decision Authority. Increment 1 is the Flight Deck Double Hearing Protection (DHP) program and is providing improved hearing protection for aircrew, maintainers, and flight deck personnel, which can be integrated into current legacy helmet and cranial assemblies. Communications versions interface with existing flight deck communications system and F/A-18 Inter-aircraft Communication System. Increment 1 Milestone C (MS C) was

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	P-1 Line Item Number / Title: 4244 / Aviation Life Support	
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

successfully completed on 27 April 2011. Increment 2 is the Triple Hearing Protection (THP) program and will provide hearing protection and speech intelligibility for aircrew, maintainers and flight deck personnel in the most extreme noise environments. Communications versions will interface with the shipboard Sound-Powered Phone,existing flight deck communications systems and multiple aircraft communications systems. Increment 2 Initial Operational Capability (IOC) will be in January 2018. Increment 3 will provide lightweight head protection devices/helmets with advancements in head impact protection, and Night Vision Device, Chemical Biological and Radiological clothing, and eye protection compatibility. These products will greatly improve the level of head and hearing protection available to aircrew, maintainers, and flight deck personnel.

[P5 / EKB - SY450]: ELECTRONIC KNEE BOARD - SY450 (Baseline)
The EKB is an aircrew mounted tablet device system. Currently, printed Gridded Reference Graphics (GRG) charts are used to provide aircrew with required information to complete their missions. Evolving flight operations show the need for aircrew to be re-tasked to any part of a large area of operations resulting in the need to carry many more GRG charts in the aircraft. Physical space constraints in the cockpit for printed GRG's and insufficient aircraft memory to store electronic GRG files are adversely affecting the Fleets ability to perform their mission. The EKB provides a digital means to store and display all required GRG information, which will increase mission flexibility, situational awareness, and overall mission effectiveness. In addition, the EKB will also store and display other information that is currently printed, to include, but not limited to, NATOPS procedures, flight information publications and related mission planning products.

[P5 / EVA - SY217]: ENHANCED VISUAL ACUITY - SY217 (Baseline)
EVA provides a digital night vision capability to address critical capability gaps in low and no light illumination levels (night vision) and higher visibility through smoke, dust, and other obscurants. The digital architecture of the system provides the ability to field capabilities incrementally. Increment 1 (IOC expected FY-18) will include capabilities to address the low and no light illumination issues. The increment 1 capability will also provide a sharper image at all light levels by reducing scintillation and will reduce halo/blooming when operating in urban environments. Increment 2 will build on the increment 1 performance by adding capability to address the need for higher visibility through smoke, dust, and other obscurants.

[P5 / AE - SY125]: AIRCREW ENDURANCE - SY125 (Baseline)
AE is an Abbreviated Acquisition Program. The program is comprised of many components designed to improve endurance in flights of longer duration. Systems include survival vests and body armor design, sizing, compatibility, durability and color improvements; hydration systems; mission extender devices to address physical waste needs; and improved universal camouflage to the Marine Corps coyote color schemes. These improvements will address issues associated with heat stress, physical fatigue, safety and loss of mobility on long duration missions.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4244 / Aviation Life Support
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 / Aviation Life Support	P-5, P-5a, P-21		- / 288.772	- / 29.588	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			**- / 288.772**	**- / 29.588**	**- / -**	**- / -**	**- / -**	**- / -**

*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:
Beginning in FY 2015, this program is consolidated into BLI 4268/Other Aviation Support Equipment.

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4244 / Aviation Life Support	Item Number / Title [DODIC]: 1 / Aviation Life Support
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)*	288.772	29.588	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	288.772	29.588	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**288.772**	**29.588**	**-**	**-**	**-**	**-**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	0.780	-	-	-	-
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 - Survival Electronics Cost																		
Recurring Cost																		
1.1.1) CSEL - SY060(†) (1)	9,374.53	8,691	81.474	8,250.00	48	0.396	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*81.474*	-	-	*0.396*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Survival Electronics Cost	-	-	*81.474*	-	-	*0.396*	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Helmets, Hearing and Display Cost																		
Recurring Cost																		
2.1.1) LEP- SY080	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.2) JHMCS Night Vision - SY215(†) (2)	263,722.54	173	45.624	335,600.00	50	16.780	-	-	-	-	-	-	-	-	-	-	-	-
2.1.3) FDC - SY505(†) (3)	649.26	55,508	36.039	5,781.20	1,170	6.764	-	-	-	-	-	-	-	-	-	-	-	-
2.1.4) EKB - SY450	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.5) EVA - SY217	-	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*81.666*	-	-	*23.544*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Helmets, Hearing and Display Cost	-	-	*81.666*	-	-	*23.544*	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Life Support Systems Cost																		
Recurring Cost																		
3.1.1) AE - SY125(†)	2,963.48	9,118	27.021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4244 / Aviation Life Support	Item Number / Title [DODIC]: 1 / Aviation Life Support
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	-	-	*27.021*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Life Support Systems Cost	-	-	*27.021*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Support Cost																		
4.1) Survival Electronics - SY830	-	-	47.124	-	-	0.388	-	-	-	-	-	-	-	-	-	-	-	-
4.2) Helmets, Hearing and Displays SY830	-	-	30.177	-	-	5.260	-	-	-	-	-	-	-	-	-	-	-	-
4.3) Life Support Systems - SY830	-	-	21.310	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Support Cost	-	-	*98.611*	-	-	*5.648*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	**-**	**-**	**288.772**	**-**	**-**	**29.588**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

(†) indicates the presence of a P-5a

Footnotes:

(1) SY060 CSEL: Prior Year quantities corrected to reflect actual quantities procured.

(2) SY215 JHMCS Night Vision: Prior Year quantities corrected to reflect actuals. FY13 funding transferred to SY505 to buyout the FDC DHP Requirement in support of higher fleet priorities. Qty's and unit prices in FY14-FYDP (BLI 4268) adjusted to reflect the revised inventory objective and unit cost changes secondary to the USN now being the sole acquiring service.

(3) SY505 FDC: Prior Year quantities adjusted to reflect the buyout of the DHP requirement. Unit cost and quantities vary depending on mix of DHP, THP and improved head protection devices being procured.

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4244 / Aviation Life Support	Item Number / Title [DODIC]: 1 / Aviation Life Support

Cost Elements	OCO	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) CSEL - SY060		2014	Boeing / Huntington Beach, CA	SS / FFP	NAVAIR	Apr 2014	Mar 2015	48	8,250.00	Y		Oct 2011
2.1.2) JHMCS Night Vision - SY215(†)		2011	Rockwell Collins - ESA Vision Systems / Dallas Ft. Worth, Texas	SS / FFP	JPO Wright Patterson AFB	Mar 2012	Feb 2015	11	159,727.27	Y		
2.1.2) JHMCS Night Vision - SY215(†)		2012	Rockwell Collins - ESA Vision Systems / Dallas Ft. Worth, Texas	SS / FFP	JPO Wright Patterson AFB	Sep 2012	Apr 2015	89	203,224.72	Y		
2.1.2) JHMCS Night Vision - SY215(†)		2014 (4)	Rockwell Collins - ESA Vision Systems / Dallas Ft. Worth, Texas	SS / FFP	NAVAIR	Aug 2015	Apr 2016	50	335,600.00	Y		Dec 2014
2.1.3) FDC - SY505(†)		2013	Aegisound LLC / Blacksburg, VA	SS / FFP	NAWCADLKE	Jun 2013	Dec 2013	18,978	768.36	Y		Apr 2012
2.1.3) FDC - SY505(†)		2014	Aegisound LLC / Blacksburg, VA	SS / FFP	NAWCADLKE	Jan 2014	Feb 2015	1,170	5,781.20	Y		Dec 2013
3.1.1) AE - SY125		2011	Peckham Vocational Industries / Lansing, MI	SS / FFP	NAVAIR	Sep 2011	Aug 2013	974	2,370.64	Y		Jun 2011
3.1.1) AE - SY125		2012	Peckham Vocational Industries / Lansing, MI	SS / FFP	NAVAIR	Mar 2012	Aug 2014	4,762	1,519.11	Y		Jan 2012
3.1.1) AE - SY125		2013	Peckham Vocational Industries / Lansing, MI	SS / FFP	NAVAIR	Sep 2013	Aug 2015	3,382	2,488.17	Y		May 2013

(†) indicates the presence of a P-21

Footnotes:

(4) Contract award delayed five months due to vendor response to synopsis, resulting proposal evaluation, cost analysis, contracting and legal reviews. RFP released 04 December 2014.

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4244 / Aviation Life Support	**Item Number / Title [DODIC]:** 1 / Aviation Life Support

Cost Elements (Units in Thousands)							Fiscal Year 2011												Fiscal Year 2012												
							Calendar Year 2011												Calendar Year 2012												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2010	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
2.1.2) JHMCS Night Vision - SY215 (2)																															
Prior Years Deliveries: 73																															
	1	2011	NAVY	.011 (5)	-	.011																		A -	-	-	-	-	-	-	.011
	1	2012	NAVY	.089 (6)	-	.089																								A -	.089
	1	2014	NAVY	.050	-	.050																									.050
2.1.3) FDC - SY505 (3)																															
Prior Years Deliveries: 36530																															
	2	2013	NAVY	18.978	-	18.978																									18.978
	2	2014	NAVY	1.170	-	1.170																									1.170
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4244 / Aviation Life Support	**Item Number / Title [DODIC]:** 1 / Aviation Life Support

Cost Elements (Units in Thousands)							Fiscal Year 2013												Fiscal Year 2014												
							Calendar Year 2013															Calendar Year 2014									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
2.1.2) JHMCS Night Vision - SY215 (2)																															
Prior Years Deliveries: 73																															
	1	2011	NAVY	.011 (5)	-	.011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.011
	1	2012	NAVY	.089 (6)	-	.089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.089
	1	2014	NAVY	.050	-	.050																									.050
2.1.3) FDC - SY505 (3)																															
Prior Years Deliveries: 36530																															
	2	2013	NAVY	18.978	-	18.978									A -	-	-	-	-	-	1.249	.997	1.943	1.500	1.500	1.400	1.400	1.400	1.400	1.400	4.789
	2	2014	NAVY	1.170	-	1.170																A -	-	-	-	-	-	-	-	-	1.170
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4244 / Aviation Life Support	**Item Number / Title [DODIC]:** 1 / Aviation Life Support

Cost Elements (Units in Thousands)							Fiscal Year 2015												Fiscal Year 2016												
										Calendar Year 2015												Calendar Year 2016									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
2.1.2) JHMCS Night Vision - SY215 (2)																															
Prior Years Deliveries: 73																															
	1	2011	NAVY	.011 (5)	-	.011	-	-	-	-	.004	.007																			-
	1	2012	NAVY	.089 (6)	-	.089	-	-	-	-	-	-	.007	.007	.007	.007	.007	.007	.007	.008	.008	.008	.008	.008							-
	1	2014	NAVY	.050	-	.050											A -	-	-	-	-	-	-	-	.005	.005	.004	.004	.004	.004	.024
2.1.3) FDC - SY505 (3)																															
Prior Years Deliveries: 36530																															
	2	2013	NAVY	18.978	14.189	4.789	1.400	1.400	.995	.994																					-
	2	2014	NAVY	1.170	-	1.170	-	-	-	-	.195	.195	.195	.195	.195	.195															-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4244 / Aviation Life Support	**Item Number / Title [DODIC]:** 1 / Aviation Life Support

Cost Elements (Units in Thousands)							Fiscal Year 2017												Fiscal Year 2018												
										Calendar Year 2017												Calendar Year 2018									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
2.1.2) JHMCS Night Vision - SY215 (2)																															
Prior Years Deliveries: 73																															
	1	2011	NAVY	.011 (5)	.011	-																									-
	1	2012	NAVY	.089 (6)	.089	-																									-
	1	2014	NAVY	.050	.026	.024	.004	.004	.004	.004	.004	.004																			-
2.1.3) FDC - SY505 (3)																															
Prior Years Deliveries: 36530																															
	2	2013	NAVY	18.978	18.978	-																									-
	2	2014	NAVY	1.170	1.170	-																									-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4244 / Aviation Life Support	**Item Number / Title [DODIC]:** 1 / Aviation Life Support

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	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	Rockwell Collins - ESA Vision Systems - Dallas Ft. Worth, Texas	10	120	180	-	-	-	-	5	3	9	12
2	Aegisound LLC - Blacksburg, VA	1,800	28,800	57,600	-	-	-	-	1	2	6	8

"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:

(5) FY11: Delays in deliveries is due to technical acceptance issues. Contract was modified to account for delayed deliveries for this LRIP.

(6) FY12-FY14 delivery schedule adjusted to ensure that minimum quantities are supported.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:** / **Other Related Program Elements:** 0604373N

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)*	335.103	77.114	23.152	14.098	-	14.098	33.018	24.840	8.735	5.367	0.003	521.430
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	335.103	77.114	23.152	14.098	-	14.098	33.018	24.840	8.735	5.367	0.003	521.430
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**335.103**	**77.114**	**23.152**	**14.098**	**-**	**14.098**	**33.018**	**24.840**	**8.735**	**5.367**	**0.003**	**521.430**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	1.504	0.456	1.368	-	1.368	0.523	0.533	0.246	-	-	4.630
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Airborne Mine Countermeasures (AMCM) Equipment is currently deployed on MH-53E helicopters to counter the threat of sea mines. The MH-60S helicopter will be adapted for the AMCM mission in support of the development of an Organic Fleet AMCM program. The equipment is divided into three categories -- minesweeping, minehunting and mine neutralization. (1) Minesweeping is performed by mechanical or influence sweeps. In mechanical sweeping, the mine mooring is severed by the sweep gear allowing the mine to float to the surface where it is destroyed. In influence sweeping, a magnetic or acoustic field which simulates the magnetic/acoustic signature of a ship is introduced into the water. This field causes the mine mechanism to actuate. (2) In minehunting, the object is to actually locate and classify mine-like objects (usually by means of high resolution sonar). (3) Then neutralize mines using explosive devices. AMCM squadrons currently have mechanical, magnetic, and acoustic sweeping capabilities, and mine surveillance and marking capabilities. Their mission is to locate, classify, identify and neutralize moored, surface and bottom mines.

Current world mining threats have resulted in increased operational demand of systems to perform AMCM missions. Fleet requires increased AMCM capability to address warfighting gaps and the reliability, maintainability, and availability of critical systems to perform world-wide operations. Program provides systems to address a global threat and serve to deter placement of mines to allow ships to transit freely. Lack of AMCM capability will result in loss of the Fleet's ability to conduct freedom of maneuver, increasing risk to ships while operating in mine threat areas.

[P5 / S0020 MODIFICATIONS]: Funds are provided for the modification and product improvements of Airborne Mine Countermeasures (AMCM) systems to accommodate replacement of subsystems/ components because of safety, maintainability, reliability and obsolescence issues. Engineering Change Proposals (ECPs) are analyzed, prioritized and screened to accommodate replacement of subsystems/ components. Funding for this effort is designated in all fiscal years.

[P5 - 2 / S0024 AN/AQS-24 Sonar]: AN/AQS-24 sonar is an in-service mine detection system that detects, classifies, localizes, and identifies sea mines. The sonar sensor is deployed from the MH-53E helicopter and is used against moored and bottom mines. AN/AQS-24B provides High Speed Sythetic Aperature Sonar (SAS). AN/AQS-24C provides Volume Search Capability.

[P5 - 3 / S0061 - MK-105 MOD 4]: Minesweeping Sled - The MK-105 MOD 4 magnetic mine-sweeping system is on a hydrofoil platform that carries a turbo-generator power pack and is towed by the MH-53E helicopter, allowing for safe, high speed sweeping of magnetic influence mines. The production line was shut down in FY2001. This funding re-starts the production line and manufactures new MK-105 MOD 4 systems.

[P5 - 4 / S0065 - AMNS]: AN/ASQ-235 - AMNS is a mine neutralization system that provides a remotely controlled expendable neutralizer vehicle deployed from the MH-60S and MH-53E helicopter platform to reacquire, identify, and neutralize moored or proud bottom sea mines.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0604373N

Note: LCS Mission Modules are procured under BLI 1601.

[P5 - 5 / S0075 - ALMDS]: AN/AES-1 is a mine detection system that provides a light detection and ranging (LIDAR) system for rapid detection, classification, and localization of near surface sea mines. It is deployed on the MH-60S helicopter as part of the Organic Airborne Mine Countermeasures (OAMCM) suite of systems.

[P5 - 6 / S0090 - OAMCM Support Equipment]: Provides for Organic Airborne Mine Countermeasures (OAMCM) Support Equipment.

Organic Reeling Cable Assemblies (ORCA) - Provided the rewind capability of the common tow cable equipment for the OAMCM systems (AN/AQS-20A, and AMNS).

Organic Post Mission Analysis (OPMA) provides common Post Mission Analysis (PMA) software for the OAMCM systems (ALMDS, AMNS, AQS-20A). Software will be installed on the existing LCS computer. Ruggedized portable OPMA computers will be procured for ship-of-opportunity deployments, land-basing and training.

Surface Navy Integrated Undersea Tactical Technology (SNIUTT) is an Airborne systems training workstation for the Airborne operators and maintainers (to include Pilots and Air Crew) and is integrated with an AN/SQQ-32, AN/AQS-24, AN/AQS-20A and future OAMCM sensor training modules.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:** / **Other Related Program Elements:** 0604373N

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 / MODIFICATIONS	P-5		- / 61.955	- / 9.667	- / 3.628	- / 3.227	- / -	- / 3.227
2 / AN/AQS-24 Sonar	P-5, P-5a, P-21		- / 0.000	- / 42.500	- / 19.524	- / 1.771	- / -	- / 1.771
3 / MK-105	P-5, P-5a, P-21		- / 20.000	- / -	- / -	- / -	- / -	- / -
4 / AMNS	P-5, P-5a, P-21		- / 43.072	- / 13.510	- / -	- / 6.800	- / -	- / 6.800
5 / ALMDS [ALMDS]	P-5, P-5a, P-21		- / 96.182	- / 10.237	- / -	- / 2.300	- / -	- / 2.300
6 / OAMCM [OAMCM]	P-5, P-5a, P-21		- / 113.894	- / 1.200	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			**- / 335.103**	**- / 77.114**	**- / 23.152**	**- / 14.098**	**- / -**	**- / 14.098**

*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 funding supports the baseline program. Airborne Mine Countermeasures program will be providing its Initial Operating Capability (IOC) in FY16. In FY16 any and all corrections/ECP fixes will be provided to these Airborne systems as they are fielded by Navy. This capability will be deployed around the world to meet the current operational mine warfare mission demand for these systems.

The FY16 funding request was reduced by $19.3 million to account for the availability of prior year execution balances.

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 1 / MODIFICATIONS
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)*	61.955	9.667	3.628	3.227	-	3.227
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	61.955	9.667	3.628	3.227	-	3.227
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**61.955**	**9.667**	**3.628**	**3.227**	**-**	**3.227**
(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 - S0020 MODIFICATIONS Cost																		
Recurring Cost																		
1.1.1) S0020 - MODIFICATION	-	-	61.955	-	-	9.667	-	-	3.628	-	-	3.227	-	-	-	-	-	3.227
Subtotal: Recurring Cost	-	-	*61.955*	-	-	*9.667*	-	-	*3.628*	-	-	*3.227*	-	-	-	-	-	*3.227*
Subtotal: Hardware - S0020 MODIFICATIONS Cost	-	-	*61.955*	-	-	*9.667*	-	-	*3.628*	-	-	*3.227*	-	-	-	-	-	*3.227*
Gross/Weapon System Cost	**-**	**-**	**61.955**	**-**	**-**	**9.667**	**-**	**-**	**3.628**	**-**	**-**	**3.227**	**-**	**-**	**-**	**-**	**-**	**3.227**

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 2 / AN/AQS-24 Sonar
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)*	0.000	42.500	19.524	1.771	-	1.771
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	42.500	19.524	1.771	-	1.771
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**42.500**	**19.524**	**1.771**	**-**	**1.771**
(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 - S0024 AN/AQS-24 Sonar Cost																		
Recurring Cost																		
1.1.2) AN/AQS-24B - upgrade kit(†)	-	-	0.000	2,115K	20	42.300	2,157K	7	15.100	-	-	-	-	-	-	-	-	-
1.1.4) Training Equipment(†)	-	-	0.000	-	-	0.200	4,424K	1	4.424	-	-	1.296	-	-	-	-	-	1.296
1.1.5) ILS/Tech Pubs	-	-	0.000	-	-	-	-	-	-	-	-	0.475	-	-	-	-	-	0.475
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*42.500*	-	-	*19.524*	-	-	*1.771*	-	-	-	-	-	*1.771*
Subtotal: Hardware - S0024 AN/AQS-24 Sonar Cost	-	-	*0.000*	-	-	*42.500*	-	-	*19.524*	-	-	*1.771*	-	-	-	-	-	*1.771*
Gross/Weapon System Cost	**-**	**-**	**0.000**	**-**	**-**	**42.500**	**-**	**-**	**19.524**	**-**	**-**	**1.771**	**-**	**-**	**-**	**-**	**-**	**1.771**

(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4248 / Aviation Mine Countermeasures	Item Number / Title [DODIC]: 2 / AN/AQS-24 Sonar

Cost Elements	OCO	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) AN/AQS-24B - upgrade kit(†)		2014	Northrop Grumman (Annapolis, MD) / Annapolis	SS / FFP	NSWC, PC	Jun 2014	Jun 2015	20	2,115K	Y		
1.1.2) AN/AQS-24B - upgrade kit(†)		2015	Northrop Grumman (Annapolis, MD) / Annapolis	SS / FFP	NSWC PC	Jun 2015	Jun 2016	7	2,157K	Y		
1.1.4) Training Equipment(†)		2015	Northrop Grumman (Annapolis, MD) / Annapolis	SS / FFP	** NO PCO **	Jun 2015	Jun 2016	1	4,424K	Y		

(†) indicates the presence of a P-21

Exhibit P-21, Production Schedule: PB 2016 Navy | **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3

P-1 Line Item Number / Title: 4248 / Aviation Mine Countermeasures

Item Number / Title [DODIC]: 2 / AN/AQS-24 Sonar

Cost Elements (Units in Each)							Fiscal Year 2014												Fiscal Year 2015												
										Calendar Year 2014												Calendar Year 2015									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.2) AN/AQS-24B - upgrade kit																															
	1	2014	NAVY	20	-	20									A -	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	12
	1	2015	NAVY	7	-	7																					A -	-	-	-	7
1.1.4) Training Equipment																															
	2	2015	NAVY	1	-	1																					A -	-	-	-	1
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy | **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3

P-1 Line Item Number / Title: 4248 / Aviation Mine Countermeasures

Item Number / Title [DODIC]: 2 / AN/AQS-24 Sonar

Cost Elements (Units in Each)							Fiscal Year 2016												Fiscal Year 2017												
							Calendar Year 2016												Calendar Year 2017												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.2) AN/AQS-24B - upgrade kit																															
	1	2014	NAVY	20	8	12	2	2	2	2	2	2																			-
	1	2015	NAVY	7	-	7	-	-	-	-	-	-	-	-	2	2	2	1													-
1.1.4) Training Equipment																															
	2	2015	NAVY	1	-	1	-	-	-	-	-	-	-	-	1																-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 2 / AN/AQS-24 Sonar

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Northrop Grumman (Annapolis, MD) - Annapolis	-	-	-	-	-	12	12	-	-	12	12
2	Northrop Grumman (Annapolis, MD) - Annapolis	-	-	-	-	-	12	12	-	-	-	-

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

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 3 / MK-105
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)*	20.000	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	20.000	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**20.000**	**-**	**-**	**-**	**-**	**-**
(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 - S0061 - MK-105 MOD 4 Cost																		
Recurring Cost																		
1.1.1) MK-105 MOD 4(†)	16,600K	1	16.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) Production Line Set-Up	-	-	3.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*20.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - S0061 - MK-105 MOD 4 Cost	-	-	*20.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	**-**	**-**	**20.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4248 / Aviation Mine Countermeasures	Item Number / Title [DODIC]: 3 / MK-105

Cost Elements	OCO	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) MK-105 MOD 4(†)		2012	ITT / Panama City, Florida	C / FFP	NSWC PC	Mar 2013	Sep 2014	1	16,600K	Y		Jul 2011

(†) indicates the presence of a P-21

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 3 / MK-105

Cost Elements (Units in Each)							Fiscal Year 2013												Fiscal Year 2014												
										Calendar Year 2013												Calendar Year 2014									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2012	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.1) MK-105 MOD 4																															
	1	2012	NAVY	1	-	1						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 3 / MK-105

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	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	ITT - Panama City, Florida	1	3	6	-	-	18	18	-	-	18	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).

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4248 / Aviation Mine Countermeasures	Item Number / Title [DODIC]: 4 / AMNS
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)*	43.072	13.510	-	6.800	-	6.800
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	43.072	13.510	-	6.800	-	6.800
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**43.072**	**13.510**	**-**	**6.800**	**-**	**6.800**
(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 - S0065 - AMNS Cost																		
Recurring Cost																		
1.1.1) AMNS(†)	2,099K	15	31.483	2,241K	2	4.482	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) AMNS (MH-53E)	-	-	0.000	-	-	3.860	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) PRODUCTION ENGINEERING	-	-	2.017	-	-	0.570	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) TRAINING EQUIPMENT	-	-	4.467	-	-	0.500	-	-	-	-	-	-	-	-	-	-	-	-
1.1.6) ILS/PUBS/ TECH DATA	-	-	1.679	-	-	0.410	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) SUPPORT EQUIPMENT	-	-	3.426	-	-	3.688	-	-	-	-	-	-	-	-	-	-	-	-
1.1.8) ECP (HW/SW) and Upgrades (1)	-	-	0.000	-	-	-	-	-	-	-	-	6.800	-	-	-	-	-	6.800
Subtotal: Recurring Cost	-	-	*43.072*	-	-	*13.510*	-	-	-	-	-	*6.800*	-	-	-	-	-	*6.800*
Subtotal: Hardware - S0065 - AMNS Cost	-	-	*43.072*	-	-	*13.510*	-	-	-	-	-	*6.800*	-	-	-	-	-	*6.800*
Gross/Weapon System Cost	**-**	**-**	**43.072**	**-**	**-**	**13.510**	**-**	**-**	**-**	**-**	**-**	**6.800**	**-**	**-**	**-**	**-**	**-**	**6.800**

(†) indicates the presence of a P-5a

Footnotes:

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 4 / AMNS
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

(1) ECP funding increase ($4.2M) provides support development and fielding of AMNS AN/ASQ-235 to reduce operator workload and mission time, improve reliability, and improve supportability. Includes replacing LHS fins with reduced acoustic signature material to improve tracking, installing a new Acoustic Tracking System (ATS), improving image recognition, enhancing video, normalizing the sonar, eliminating the Relay Control Module (RCM), and removing / replacing proprietary components (NIB, AC/DC power supply). Launch and Handling System (LHS) Containers ($2.6M) will be procured to safely transport and store the LHS when it is not on the helicopter or in the LCS mission module. ECPs required for Fleet IOC.

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4248 / Aviation Mine Countermeasures	Item Number / Title [DODIC]: 4 / AMNS

Cost Elements	OCO	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) AMNS(†)		2009	Raytheon / Portsmouth, RI	SS / FFP	NAVSEA	Sep 2010	Feb 2012	4	2,225K	Y		
1.1.1) AMNS(†)		2010	Raytheon / Portsmouth, RI	SS / FFP	NAVSEA	Jan 2011	Jun 2012	2	2,250K	Y		Apr 2010
1.1.1) AMNS(†)		2011	Raytheon / Portsmouth, RI	SS / FFP	NAVSEA	Jun 2011	Nov 2012	4	2,243K	Y		
1.1.1) AMNS(†)		2012	Raytheon / Portsmouth, RI	SS / FFP	NAVSEA	Jun 2012	Nov 2013	1	2,261K	Y		
1.1.1) AMNS(†)		2013	Raytheon / Portsmouth, RI	SS / FFP	NAVSEA	Mar 2014	Aug 2015	1	2,256K	Y		
1.1.1) AMNS(†)		2014	Raytheon / Portsmouth, RI	SS / FFP	NAVSEA	May 2014	Oct 2015	2	2,241K	Y		

(†) indicates the presence of a P-21

Exhibit P-21, Production Schedule: PB 2016 Navy		**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 4 / AMNS

Cost Elements (Units in Each)							Fiscal Year 2010												Fiscal Year 2011												
							Calendar Year 2010												Calendar Year 2011												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2009	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.1) AMNS																															
Prior Years Deliveries: 3																															
	1	2009	NAVY	4	-	4												A -	-	-	-	-	-	-	-	-	-	-	-	-	4
	1	2010	NAVY	2	-	2																A -	-	-	-	-	-	-	-	-	2
	1	2011	NAVY	4	-	4																					A -	-	-	-	4
	1	2012	NAVY	1	-	1																									1
	1	2013	NAVY	1	-	1																									1
	1	2014	NAVY	2	-	2																									2
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 4 / AMNS

Cost Elements (Units in Each)							Fiscal Year 2012												Fiscal Year 2013												
							Calendar Year 2012												Calendar Year 2013												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.1) AMNS																															
Prior Years Deliveries: 3																															
	1	2009	NAVY	4	-	4	-	-	-	-	1	-	1	-	1	-	1														-
	1	2010	NAVY	2	-	2	-	-	-	-	-	-	-	-	1	-	1														-
	1	2011	NAVY	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	1					-
	1	2012	NAVY	1	-	1									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	1	2013	NAVY	1	-	1																									1
	1	2014	NAVY	2	-	2																									2
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy | **Date:** February 2015

Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3 | **P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures | **Item Number / Title [DODIC]:** 4 / AMNS

Cost Elements (Units in Each)							Fiscal Year 2014												Fiscal Year 2015												
							Calendar Year 2014												Calendar Year 2015												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.1) AMNS																															
Prior Years Deliveries: 3																															
	1	2009	NAVY	4	4	-																									-
	1	2010	NAVY	2	2	-																									-
	1	2011	NAVY	4	4	-																									-
	1	2012	NAVY	1	-	1	-	1																							-
	1	2013	NAVY	1	-	1						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		-
	1	2014	NAVY	2	-	2								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 4 / AMNS

Cost Elements (Units in Each)							Fiscal Year 2016												Fiscal Year 2017												
										Calendar Year 2016												Calendar Year 2017									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.1) AMNS																															
Prior Years Deliveries: 3																															
	1	2009	NAVY	4	4	-																									-
	1	2010	NAVY	2	2	-																									-
	1	2011	NAVY	4	4	-																									-
	1	2012	NAVY	1	1	-																									-
	1	2013	NAVY	1	1	-																									-
	1	2014	NAVY	2	-	2	1	1																							-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 4 / AMNS

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	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	Raytheon - Portsmouth, RI	1	8	24	-	-	17	17	-	-	17	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).

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4248 / Aviation Mine Countermeasures	Item Number / Title [DODIC]: 5 / ALMDS [ALMDS]
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)*	96.182	10.237	-	2.300	-	2.300
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	96.182	10.237	-	2.300	-	2.300
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**96.182**	**10.237**	**-**	**2.300**	**-**	**2.300**
(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 - S0075 - ALMDS Cost																		
Recurring Cost																		
1.1.1) ALMDS(†)	7,304K	11	80.347	7,900K	1	7.900	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) PRODUCTION ENGINEERING	-	-	8.601	-	-	0.175	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) PRODUCTION ECP (HW/SW)	-	-	3.205	-	-	2.030	-	-	-	-	-	2.300	-	-	-	-	-	2.300
1.1.4) TRAINING EQUIPMENT	-	-	0.976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) ILS/PUBS/ TECH DATA	-	-	2.324	-	-	0.105	-	-	-	-	-	-	-	-	-	-	-	-
1.1.6) SUPPORT EQUIPMENT	-	-	0.729	-	-	0.027	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*96.182*	-	-	*10.237*	-	-	-	-	-	*2.300*	-	-	-	-	-	*2.300*
Subtotal: Hardware - S0075 - ALMDS Cost	-	-	*96.182*	-	-	*10.237*	-	-	-	-	-	*2.300*	-	-	-	-	-	*2.300*
Gross/Weapon System Cost	**-**	**-**	**96.182**	**-**	**-**	**10.237**	**-**	**-**	**-**	**-**	**-**	**2.300**	**-**	**-**	**-**	**-**	**-**	**2.300**

(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4248 / Aviation Mine Countermeasures	Item Number / Title [DODIC]: 5 / ALMDS [ALMDS]

Cost Elements	OCO	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) ALMDS(†)		2010	Northrop Grumman / Melborn, FL	SS / FFP	NSWC PC	Sep 2010	Mar 2012	3	7,159K	Y		Dec 2008
1.1.1) ALMDS(†)		2011	Northrop Grumman / Melborn, FL	SS / FFP	NSWC PC	Mar 2012	Sep 2013	2	7,100K	Y		Oct 2011
1.1.1) ALMDS(†)		2013	Northrop Grumman / Melborn, FL	C / FFP	NAVSEA	Jun 2013	Feb 2015	4	7,338K	Y		Mar 2012
1.1.1) ALMDS(†)		2014	Northrop Grumman / Melborn, FL	C / FFP	NAVSEA	Dec 2014	Aug 2016	1	7,900K	Y		Mar 2013

(†) indicates the presence of a P-21

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 5 / ALMDS [ALMDS]

Cost Elements (Units in Each)							Fiscal Year 2010												Fiscal Year 2011												
										Calendar Year 2010												Calendar Year 2011									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2009	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.1) ALMDS																															
Prior Years Deliveries: 2																															
	1	2010	NAVY	3	-	3												A -	-	-	-	-	-	-	-	-	-	-	-	-	3
	1	2011	NAVY	2	-	2																									2
	1	2013	NAVY	4	-	4																									4
	1	2014	NAVY	1	-	1																									1
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 5 / ALMDS [ALMDS]

Cost Elements (Units in Each)							Fiscal Year 2012												Fiscal Year 2013												
							Calendar Year 2012												Calendar Year 2013												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.1) ALMDS																															
Prior Years Deliveries: 2																															
	1	2010	NAVY	3	-	3	-	-	-	-	-	1	-	1	-	1															-
	1	2011	NAVY	2	-	2						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	1	2013	NAVY	4	-	4																					A -	-	-	-	4
	1	2014	NAVY	1	-	1																									1
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 5 / ALMDS [ALMDS]

Cost Elements (Units in Each)							Fiscal Year 2014												Fiscal Year 2015												
							Calendar Year 2014												Calendar Year 2015												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.1) ALMDS																															
Prior Years Deliveries: 2																															
	1	2010	NAVY	3	3	-																									-
	1	2011	NAVY	2	1	1	-	1																							-
	1	2013	NAVY	4	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	1		-
	1	2014	NAVY	1	-	1															A -	-	-	-	-	-	-	-	-	-	1
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 5 / ALMDS [ALMDS]

Cost Elements (Units in Each)							Fiscal Year 2016												Fiscal Year 2017												
										Calendar Year 2016												Calendar Year 2017									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.1) ALMDS																															
Prior Years Deliveries: 2																															
	1	2010	NAVY	3	3	-																									-
	1	2011	NAVY	2	2	-																									-
	1	2013	NAVY	4	4	-																									-
	1	2014	NAVY	1	-	1	-	-	-	-	-	-	-	-	-	-	1														-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 5 / ALMDS [ALMDS]

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Northrop Grumman - Melborn, FL	1	12	24	-	-	20	20	-	-	18	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).

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4248 / Aviation Mine Countermeasures	Item Number / Title [DODIC]: 6 / OAMCM [OAMCM]
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)*	113.894	1.200	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	113.894	1.200	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**113.894**	**1.200**	**-**	**-**	**-**	**-**
(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 - S0090 - OAMCM Support Equipment Cost																		
Recurring Cost																		
1.1.1) OPMA(†)	128,000.00	6	0.768	100,000.00	9	0.900	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) SNIUTT	-	-	1.080	-	-	0.300	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) ORCA	3,098K	2	6.195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) Tow Cables(†)	125,000.00	20	2.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*10.543*	-	-	*1.200*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - S0090 - OAMCM Support Equipment Cost	-	-	*10.543*	-	-	*1.200*	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Prior Years Cost																		
Recurring Cost																		
2.1.1) Prior Years Cumulative Funding	-	-	103.351	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*103.351*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Prior Years Cost	-	-	*103.351*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	**-**	**-**	**113.894**	**-**	**-**	**1.200**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4248 / Aviation Mine Countermeasures	Item Number / Title [DODIC]: 6 / OAMCM [OAMCM]

Cost Elements	OCO	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) OPMA(†)		2014	Unknown / Unknown	C / FFP	NAVSEA	Mar 2014	Mar 2015	9	100,000.00	N	Mar 2013	Mar 2013
1.1.4) Tow Cables(†)		2012	Cogent, UK / UNKNOWN	C / FFP	NSWC, PC	May 2012	May 2013	10	100,000.00	Y		May 2011
1.1.4) Tow Cables(†)		2013	Cogent, UK / UNKNOWN	C / FFP	NSWC, PC	May 2013	May 2014	10	150,000.00	Y		May 2012

(†) indicates the presence of a P-21

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 6 / OAMCM [OAMCM]

Cost Elements (Units in Each)							Fiscal Year 2012												Fiscal Year 2013												
							Calendar Year 2012												Calendar Year 2013												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2011	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.1) OPMA																															
Prior Years Deliveries: 6																															
	1	2014	NAVY	9	-	9																									9
1.1.4) Tow Cables																															
	2	2012	NAVY	10	-	10								A -	-	-	-	-	-	-	-	-	-	-	-	4	3	3			-
	2	2013	NAVY	10	-	10																				A -	-	-	-	-	10
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 6 / OAMCM [OAMCM]

Cost Elements (Units in Each)							Fiscal Year 2014												Fiscal Year 2015												
										Calendar Year 2014												Calendar Year 2015									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.1) OPMA																															
Prior Years Deliveries: 6																															
	1	2014	NAVY	9	-	9						A -	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	1			-
1.1.4) Tow Cables																															
	2	2012	NAVY	10	10	-																									-
	2	2013	NAVY	10	-	10	-	-	-	-	-	-	-	4	3	3															-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4248 / Aviation Mine Countermeasures	**Item Number / Title [DODIC]:** 6 / OAMCM [OAMCM]

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	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	Unknown - Unknown	3	10	20	-	-	12	12	-	-	12	12
2	Cogent, UK - UNKNOWN	-	-	-	-	-	12	12	-	-	12	12

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

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4255 / LAMPS MK III Shipboard Equipment

ID Code (A=Service Ready, B=Not Service Ready) : A

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
			Program Elements for Code B Items:					**Other Related Program Elements:**				
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	208.772	18.290	-	-	-	-	-	-	-	-	-	227.062
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	208.772	18.290	-	-	-	-	-	-	-	-	-	227.062
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**208.772**	**18.290**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**227.062**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	1.555	-	-	-	-	-	-	-	-	-	1.555
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program provides for Non-Recurring Engineering (NRE), procurement, acceptance and verification testing, and installation of AN/SRQ-4(Ku) field install kits. This system encompasses hardware and software to transmit sensor data from the Light Airborne Multi-Purpose System (LAMPS) MK III aircraft to the host ship classes (cruisers and destroyers).

In FY 2015 this line item was consolidated into line item 4213. Commencing in FY 2015, funding, including install funding for units procured through FY 2014, will be budgeted for in that Line Item.

Objective Inventory is 95 kits. (68 DDGs, 22 CGs, & 5 Shore sites). 40 kits were procured and 22 kits installed in this line item. 55 kits will be procured and 73 kits will be installed in line item 4213.

Program spares are budgeted in OPN BLI 9020.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4255 / LAMPS MK III Shipboard Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:** / **Other Related Program Elements:**

Exhibits Schedule			Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title*	Exhibits	ID CD	Quantity / Total Cost *(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 / S1010-SRQ(KU)-4 (Non-Organic)	P-3a		- / 208.772	- / 18.290	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			**- / 208.772**	**- / 18.290**	**- / -**	**- / -**	**- / -**	**- / -**

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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 / S1010-SRQ(KU)-4 (Non-Organic)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 227.062
Total Gross/Weapon System Cost			**- / -**	**- / -**	**- / -**	**- / -**	**- / -**	**- / 227.062**

*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:
In FY 2015 this Line Item was consolidated into Line item 4213. Commencing in FY 2015, funding, including install funding for units procured through FY 2014, will be budgeted for in that Line Item.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4255 / LAMPS MK III Shipboard Equipment	**Modification Number / Title:** 1 / S1010-SRQ(KU)-4

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)*	208.772	18.290	-	-	-	-	-	-	-	-	-	227.062
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	208.772	18.290	-	-	-	-	-	-	-	-	-	227.062
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**208.772**	**18.290**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**227.062**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program provides for Non-Recurring Engineering (NRE), procurement and installation of AN/SRQ-4(Ku) field install kits. This system encompasses hardware and software to transmit sensor data from the Light Airborne Multi-Purpose System (LAMPS) MK III aircraft to the host ship classes (cruisers and destroyers).

In FY 2015 this Line Item was consolidated into Line item 4213. Commencing in FY 2015 funding, including install funding for units procured through FY 2014, will be budgeted for in that Line Item.

Program spares are budgeted by in OPN BLI 9020.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4255 / LAMPS MK III Shipboard Equipment	**Modification Number / Title:** 1 / S1010-SRQ(KU)-4
Models of Systems Affected: LAMPS MK III	**Modification Type:** Non-Organic	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Procurement												
Modification Item 1 of 1: S1010-SRQ(KU)-4												
B Kits												
Recurring												
1.1.1) Recurring - NonOrganic (1)	36 / 76.012	4 / 5.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 81.345
Subtotal: Recurring	*- / 76.012*	*- / 5.333*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 81.345*
Non-Recurring												
1.2.1) NRE - Organic	- / 32.367	- / 0.222	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 32.589
Subtotal: Non-Recurring	*- / 32.367*	*- / 0.222*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 32.589*
Subtotal: S1010-SRQ(KU)-4	*36 / 108.379*	*4 / 5.555*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*40 / 113.934*
Subtotal: Procurement, All Modification Items	*- / 108.379*	*- / 5.555*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 113.934*
Support *(All Modification Items)*												
2.1) Data	- / 2.734	- / 0.029	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.763
2.2) Support Equipment	- / 1.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.050
2.3) ILS	- / 16.324	- / 1.417	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.741
2.4) Production Engineering	- / 66.485	- / 0.963	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 67.448
2.5) Acceptance Test & Evaluation	- / 1.924	- / 0.389	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.313
2.6) GFE	- / 3.436	- / 0.956	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.392
2.7) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.8) Training Equipment	- / 1.350	- / 4.166	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.516
Subtotal: Support	*- / 93.303*	*- / 7.920*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 101.223*
Installation												
Modification Item 1 of 1: S1010-SRQ(KU)-4	- / 7.090	- / 4.815	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.905
Subtotal: Installation	*- / 7.090*	*- / 4.815*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 11.905*
Total												
Total Cost (Procurement + Support + Installation)	**208.772**	**18.290**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**227.062**

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4255 / LAMPS MK III Shipboard Equipment	**Modification Number / Title:** 1 / S1010-SRQ(KU)-4

Modification Item 1 of 1: S1010-SRQ(KU)-4

Manufacturer Information

Manufacturer Name: L3	Manufacturer Location: Salt Lake City, UT
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 28

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013						
Delivery Dates	Apr 2016						

Installation Information

Method of Implementation: NAWCAD St. Inigoes Installation Team:: Installation Name: AN/SRQ-4 Installations

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Prior Years	10 / 7.090	12 / 4.815	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 11.905
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	10 / 7.090	12 / 4.815	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 11.905

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	10	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
Out	10	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22

Footnotes:

(1) Notes for installation schedule: 1. Installations occurring in FY 2015 and out are budgeted for in Line Item 4213. 2. Installations are subject to changes in ship availability schedules. 3. The year-to-year unit installation cost varies significantly exceeding the projected yearly inflation rate. The varying unit cost is due to the hardware installation cost being dependent on quantity, location (i.e., Japan, Norfolk, San Diego, etc.), ship class (i.e., DDG or CG), Shipyard (i.e. Bath or Ingalls), ship baseline configuration (i.e., Navigation System installed, A-Kit pre-install), and ship availability period overlaps. 4. Production lead time includes pre-installation checkouts, kitting with other installation hardware and drawings, and time to ship the hardware to the installation site. All units are scheduled to be installed within 12 months from the shore side delivery of the 1st unit.

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4264 / Portable Electronic Maintenance Aids

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)*	31.530	7.969	-	-	-	-	-	-	-	-	-	39.499
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	31.530	7.969	-	-	-	-	-	-	-	-	-	39.499
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**31.530**	**7.969**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**39.499**
(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:

Portable Electronic Maintenance Aids (PEMAs) are Aviation Support Equipment end items used by fleet technicians to assist in performing maintenance and diagnostics of aircraft. Funding is required to procure the necessary hardware, software applications, initial stand up, and production support. PEMAs are a portable display device used in the Automated Maintenance Environment (AME) to read digital maintenance publications and Integrated Electronic Technical Manuals (IETMs). PEMAs with IETMs applications interpret aircraft Binary Digit (BIT) Data to diagnose the aircraft systems and direct maintenance actions.

Beginning in FY 2015, this program is consolidated into BLI 4268/Other Aviation Support Equipment.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4264 / Portable Electronic Maintenance Aids
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 / Portable Electronic Maintenance Aids	P-5, P-5a, P-21		- / 31.530	- / 7.969	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			**- / 31.530**	**- / 7.969**	**- / -**	**- / -**	**- / -**	**- / -**

*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.

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4264 / Portable Electronic Maintenance Aids	Item Number / Title [DODIC]: 1 / Portable Electronic Maintenance Aids
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)*	31.530	7.969	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	31.530	7.969	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**31.530**	**7.969**	**-**	**-**	**-**	**-**
(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 - Hardware PEMA Cost																		
Recurring Cost																		
1.1.1) S6001 Portable Electronic Maintenance Aids (PEMAs)(†)	3,767.52	6,865	25.864	3,692.18	1,764	6.513	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*25.864*	-	-	*6.513*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Hardware PEMA Cost	-	-	*25.864*	-	-	*6.513*	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Cost																		
2.1) S6820 Portable Electronic Maintenance Aids (PEMAs) Support	-	-	5.666	-	-	1.456	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Cost	-	-	*5.666*	-	-	*1.456*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	**-**	**-**	**31.530**	**-**	**-**	**7.969**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Remarks:
[Hardware] Quantities of PEMAs are derived from actual current inventory, as reported by the fleet in the mandated asset tracking system Support Equipment Management System (SEMS). This program is a replenishment of these fielded systems on a one for one basis as required.

(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4264 / Portable Electronic Maintenance Aids	Item Number / Title [DODIC]: 1 / Portable Electronic Maintenance Aids

Cost Elements	OCO	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) S6001 Portable Electronic Maintenance Aids (PEMAs)(†)		2014 (1)	Panasonic of North America / Secaucus, NJ	C / IDIQ	NAWCAD LKE	Jan 2014	Mar 2014	1,764	3,692.18	Y		Dec 2013

(†) indicates the presence of a P-21

Footnotes:

(1) Market research and analysis testing is conducted to determine who will serve as the distributor for Panasonic on each FY IDIQ contract.

Exhibit P-21, Production Schedule: PB 2016 Navy		**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4264 / Portable Electronic Maintenance Aids	**Item Number / Title [DODIC]:** 1 / Portable Electronic Maintenance Aids

Cost Elements (Units in Each)							Fiscal Year 2014												Fiscal Year 2015												
										Calendar Year 2014												Calendar Year 2015									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2013	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.1) S6001 Portable Electronic Maintenance Aids (PEMAs)																															
Prior Years Deliveries: 6865																															
	1	2014	NAVY	1,764	-	1,764				A -	-	140	140	140	140	140	140	140	140	161	161	161	161								-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4264 / Portable Electronic Maintenance Aids	**Item Number / Title [DODIC]:** 1 / Portable Electronic Maintenance Aids

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	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	Panasonic of North America - Secaucus, NJ	500	2,000	5,000	-	-	-	-	-	3	2	5

"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).

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4265 / Other Aviation Support Equipment

ID Code (A=Service Ready, B=Not Service Ready) : B

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
			Program Elements for Code B Items:					Other Related Program Elements:				
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	159.471	2.412	-	-	-	-	-	-	-	-	-	161.883
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	159.471	2.412	-	-	-	-	-	-	-	-	-	161.883
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**159.471**	**2.412**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**161.883**
(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 Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Decision Knowledge Programming for Logistics Analysis and Technical Evaluation (DECKPLATE) (S7039):
DECKPLATE is the next generation of Naval Aviation Logistics Data Analysis (NALDA) and will interface with Navy Enterprise Resource Program (ERP) as the Naval Aviation Business Warehouse. It provides the technological improvements and process streamlining required to enable a cost wise transition from the NALDA program to the capabilities required in Joint Vision 2020 and the Naval Transformation Road Map. DECKPLATE is a Commercial Off the Shelf (COTS) intensive system under which numerous stovepipe legacy systems will migrate to create an integrated data environment through the use of Data Warehouse tools and concepts in support of Naval aviation logistics needs. This is being accomplished by upgrading current Naval Aviation logistics reporting mechanisms through the procurement and installation of a fully-licensed, warranted, secure, standardized, COTS, user-friendly, web-based relational database environment. Funding is required to procure the necessary hardware, networking, systems, applications software, infrastructure, and associated engineering and installation support.

Naval Aviation Logistics Command Management Information System (NALCOMIS) (S7041):
As Optimized Organizational Maintenance Activity (OOMA) and Optimized Intermediate Maintenance Activity (OIMA) approach full implementation, NALCOMIS (also identified as Naval Air Systems Command Fleet Systems Array (NFSA)) is responsible for implementation of Mid Tier Servers at 75+ sites both shipboard and shore based. These Mid Tier Servers replicate data from the Organizational and Intermediate level maintenance activities to the NALDA Upline processing center to provide near-real time data to decision makers at all levels. The Mid Tier also allows data to be pushed from Headquarters activities to the fleet to support maintenance activities.

Joint Technical Data Integration (JTDI) (S7042):
Funding supports the requirement to procure JTDI for installation on all Carrier (CV) and Amphibious Assault (L) class ships and up to 104 Navy/Marine Corp aviation activities. JTDI is a digital technical data access, delivery and local O&I level library management toolset and telemaintenance collaboration process enabler. It improves accuracy and timeliness of technical manual and other technical data delivery and minimizes the Fleet's library management burden. JTDI reduces maintenance manhours with savings Return on Investment (ROI) of 2.5:1 and savings/avoidance ROI of 9.5:1. It facilitates the transition of the Joint Distance Support and Response (JDSR) Advanced Concept Technology Demonstration (ACTD) for telemaintenance and provides for process efficiencies to support ongoing Aviation Fleet Technical Representative reductions.

The Marine Aviation Logistics Enterprise Information Technology (MAL-EIT) (S7046):
The MAL-EIT program is one of four programs contained within the Marine Aviation Logistics Support Program (MALSP) modernization program known as MALSP II. Legacy MALSP is nearly 25 years old and grossly inadequate in IT capability to meet the informational, planning, and C2 needs of a dynamic, geographically distributed nodal Aviation Logistics (AVLOG) system. MAL-EIT is an Abbreviated Acquisition Program (AAP) that will develop and deliver the required IT capability necessary to eliminate the IT related gaps existing in the legacy MALSP. MAL-EIT is a family of IT solutions to be developed and delivered

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4265 / Other Aviation Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : B	**Program Elements for Code B Items:**	**Other Related Program Elements:**

in three increments; the first of which is the Expeditionary Pack-Up Kit (EPUK). EPUK provides Expeditionary Supply Operations such as Business Administration, Inventory and Customer Service Operations. Funding is required to procure the hardware, hand-held peripherals, satellite communication units, and associated engineering and hardware support necessary to facilitate the planning and execution of geographically distributed, expeditionary AVLOG chains in support of deployed USMC Air Combat Element (ACE) operations.

Automated Data Capture System (ADCS) (S7047):
ADCS is a user friendly, interactive mobile computing system currently in use at depot-level Fleet Readiness Centers to document and analyze aircraft discrepancies discovered during scheduled maintenance events. Inspectors use menu driven checklists plus digital aircraft and engine drawings during inspection and evaluation to create immediate discrepancy records and produce real time reports that fulfill customer and specification requirements. Requested funding will provide hardware and software for a lead-the-Fleet effort that will enable the organizational maintenance level to utilize ADCS to better document vital corrosion and wiring related discrepancy information. Once captured, this information will be analyzed by organizational level maintenance department personnel and depot level engineers to develop targeted mitigation strategies aimed at reducing or removing corrosion in identified areas. The results of the analysis made possible by using ADCS will greatly improve our understanding of where and how corrosion is affecting our aircraft, resulting in the formulation of statistically targeted area identification and sound attack strategies.

Beginning in FY 2015, this program is consolidated into BLI 4268/Other Aviation Support Equipment.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4265 / Other Aviation Support Equipment

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)*
Other Aviation Support Equipment	P-40a, P-5a		- / 159.471	- / 2.412	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			**- / 159.471**	**- / 2.412**	**- / -**	**- / -**	**- / -**	**- / -**

*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:
Baseline funding will be used to procure hardware and associated support costs for NALCOMIS/NFSA shipboard servers, JTDI, DECKPLATE, MAL-EIT/EPUK and ADCS.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4265 / Other Aviation Support Equipment	**Aggregated Items Title:** Other Aviation Support Equipment

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
1) Naval Aviation Logistics Data Analysis Decision Knowledge Programming for Logistics Analys																				
1.1) S7039 - Aviation Data Warehouse Environment(†)	A		3,670.667	3	11.012	375.000	1	0.375	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Naval Aviation Logistics Data Analysis Decision Knowledge Programming for Logistics Analys			-	-	*11.012*	-	-	*0.375*	-	-	-	-	-	-	-	-	-	-	-	-
2) Naval Aviation Logistics Command Management Information System/Naval Air Systems Command F																				
2.1) S7041 - NFSA HW/SW(†)	A		10,000.667	3	30.002	564.000	1	0.564	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) Naval Aviation Logistics Command Management Information System/Naval Air Systems Command F			-	-	*30.002*	-	-	*0.564*	-	-	-	-	-	-	-	-	-	-	-	-
3) Joint Technical Data Integration (JTDI)																				
3.1) S7042 - JTDI HW/SW(†)	A		22,714.000	3	68.142	406.000	1	0.406	-	-	-	-	-	-	-	-	-	-	-	-
3.2) S7042 - Distance Support Kits for Expeditionary Air Field	A		3,472.000	1	3.472	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) S7042 - Telemaintenance Kits	A		3,600.000	1	3.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) S7042 - Outside the Continental US Regional Servers	A		1,282.000	1	1.282	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.5) S7042 - Secret Internet Protocol Router Network Top Tier	A		5,992.000	1	5.992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.6) S7042 - Transit Cases	A		2,362.000	1	2.362	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) Joint Technical Data Integration (JTDI)			-	-	*84.850*	-	-	*0.406*	-	-	-	-	-	-	-	-	-	-	-	-
4) Marine Aviation Logistics Enterprise Information Technology (MAL-EIT)/Expeditionary Pack U																				
4.1) S7046 - EPUK HW/SW(†)	B		353.500	2	0.707	69.000	1	0.069	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) Marine Aviation Logistics Enterprise Information			-	-	*0.707*	-	-	*0.069*	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4265 / Other Aviation Support Equipment	**Aggregated Items Title:** Other Aviation Support Equipment

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

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2014			FY 2015			FY 2016 Base			FY 2016 OCO			FY 2016 Total		
			Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
Technology (MAL-EIT)/ Expeditionary Pack U																				
5) Automated Data Capture System (ADCS)																				
5.1) S7047 - ADCS HW	B		4.000	40	0.160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2) S7047 - ADCS SW(†)	B		369.000	2	0.738	245.000	1	0.245	-	-	-	-	-	-	-	-	-	-	-	-
5.3) S7910 Prior Year Costs	A		-	-	16.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.4) S7047 - Portable Electronic Maint Aid (PEMA)	A		155.000	1	0.155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) Automated Data Capture System (ADCS)			-	-	*17.054*	-	-	*0.245*	-	-	-	-	-	-	-	-	-	-	-	-
6) Production Engineering Support (AIR6.8)																				
6.1) S7833 - Aviation Data Warehouse Environment	A		-	-	2.700	-	-	0.233	-	-	-	-	-	-	-	-	-	-	-	-
6.2) S7833 - Naval Air Systems Command Fleet System Arrays	A		-	-	7.563	-	-	0.360	-	-	-	-	-	-	-	-	-	-	-	-
6.3) S7833 - Joint Technical Data Integration	A		-	-	5.261	-	-	0.160	-	-	-	-	-	-	-	-	-	-	-	-
6.4) S7833 - Automated Data Capture System	A		-	-	0.322	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) Production Engineering Support (AIR6.8)			-	-	*15.846*	-	-	*0.753*	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**159.471**	**-**	**-**	**2.412**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4265 / Other Aviation Support Equipment	Aggregated Items: Other Aviation Support Equipment

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Naval Aviation Logistics Data Analysis Decision Knowledge Programming for Logistics Analys												
1.1) S7039 - Aviation Data Warehouse Environment		2014	Teradata Government Systems / Germantown MD	C / FFP	NAVSUP	Dec 2013	Dec 2014	1	375.000	Y		Nov 2013
2) Naval Aviation Logistics Command Management Information System/Naval Air Systems Command F												
2.1) S7041 - NFSA HW/SW		2014	VARIOIUS / VARIOUS	C / FFP	NAVSUP	Sep 2014	Oct 2014	1	564.000	Y		Jul 2014
3) Joint Technical Data Integration (JTDI)												
3.1) S7042 - JTDI HW/SW		2014	DMI / DMI	C / CPFF	DTIC	Jul 2014	Aug 2014	1	406.000	Y		May 2014
4) Marine Aviation Logistics Enterprise Information Technology (MAL-EIT)/Expeditionary Pack U												
4.1) S7046 - EPUK HW/SW		2014	VARIOUS / VARIOUS	C / FFP	SPAWAR	Mar 2014	May 2014	1	69.000	Y		Jan 2014
5) Automated Data Capture System (ADCS)												
5.2) S7047 - ADCS SW		2014	CACI / CACI	C / FFP	ARMY	Feb 2014	Mar 2014	1	245.000	Y		Jan 2014

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4267 / Autonomic Logistics Infor System (ALIS Ship Alts)

ID Code (A=Service Ready, B=Not Service Ready) : A

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
			Program Elements for Code B Items:					**Other Related Program Elements:**				
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	2.824	3.389	-	-	-	-	-	-	-	-	-	6.213
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	2.824	3.389	-	-	-	-	-	-	-	-	-	6.213
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**2.824**	**3.389**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6.213**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	1.010	-	-	-	-	-	-	-	-	-	1.010
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Autonomic Logistics Information System (ALIS) Ship Integration - CVN, LHD, LHA: ALIS controls all aspects of F-35 mission planning, maintenance, logistics, and supply functions. Funding for ALIS Ship Integration efforts (Programmatic Support, Engineering Support Services, Material, and Installation efforts) will enable shipboard (CVN, LHD, LHA) modification, classified/unclassified network integration, the installation of ALIS-related shipboard equipment, ALIS security accreditation, and verification of ALIS operation and functionality to include the integration of ALIS with shipboard Command, Control, Communications and Computers & Intelligence (C4I) Networks and the Prognostic Health Management (PHM) downlink. At the completion of each installation, the respective ship's ALIS will enable the F-35 system to provide, at the appropriate security levels via Navy Local Area Networks (LANs)/Wide Area Networks (WANs), the ability to transfer time-sensitive data for logistics support, mission planning, mission execution, and mission debriefing.

Beginning in FY 2015, this program is consolidated into BLI 4268/Other Aviation Support Equipment.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4267 / Autonomic Logistics Infor System (ALIS Ship Alts)

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 / ALIS SHIP INSTALLATION (Add Capability)	P-3a		- / 2.824	- / 3.389	- / -	- / -	- / -	- / -
Total Gross/Weapon System Cost			**- / 2.824**	**- / 3.389**	**- / -**	**- / -**	**- / -**	**- / -**

Exhibits Schedule			**FY 2017**	**FY 2018**	**FY 2019**	**FY 2020**	**To Complete**	**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 / ALIS SHIP INSTALLATION (Add Capability)	P-3a		- / -	- / -	- / -	- / -	- / -	- / 6.213
Total Gross/Weapon System Cost			**- / -**	**- / -**	**- / -**	**- / -**	**- / -**	**- / 6.213**

*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.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4267 / Autonomic Logistics Infor System (ALIS Ship Alts)	**Modification Number / Title:** 1 / ALIS SHIP INSTALLATION

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)*	2.824	3.389	-	-	-	-	-	-	-	-	-	6.213
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	2.824	3.389	-	-	-	-	-	-	-	-	-	6.213
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**2.824**	**3.389**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6.213**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

[ALIS - Program Support] Autonomic Logistics Information System (ALIS) Ship Integration - CVN, LHD, LHA: ALIS controls all aspects of F-35 mission planning, maintenance, logistics, and supply functions. Funding for ALIS Ship Integration efforts (Programmatic Support, Engineering Support Services, Material, and Installation efforts) will enable shipboard (CVN, LHD, LHA) modification, classified/unclassified network integration, the installation of ALIS-related shipboard equipment, ALIS security accreditation, and verification of ALIS operation and functionality to include the integration of ALIS with shipboard Command, Control, Communications and Computers & Intelligence (C4I) Networks and the Prognostic Health Management (PHM) downlink. At the completion of each installation, the respective ship's ALIS will enable the F-35 system to provide, at the appropriate security levels via Navy Local Area Networks (LANs)/Wide Area Networks (WANs), the ability to transfer time-sensitive data for logistics support, mission planning, mission execution, and mission debriefing.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4267 / Autonomic Logistics Infor System (ALIS Ship Alts)	**Modification Number / Title:** 1 / ALIS SHIP INSTALLATION
Models of Systems Affected: CVN, LHD, & LHA	**Modification Type:** Add Capability	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Procurement												
Modification Item 1 of 1: ALIS SHIP INSTALLATION												
B Kits												
Recurring												
1.1.1) Installation Material - NonOrganic	1 / 0.050	3 / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.200
Subtotal: Recurring	*- / 0.050*	*- / 0.150*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 0.200*
Subtotal: ALIS SHIP INSTALLATION	*1 / 0.050*	*3 / 0.150*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*4 / 0.200*
Subtotal: Procurement, All Modification Items	*- / 0.050*	*- / 0.150*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 0.200*
Support *(All Modification Items)*												
2.1) ALIS - Program Support	- / 0.294	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.294
2.2) ALIS - Production Engineering Support	- / 1.049	- / 0.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.279
Subtotal: Support	*- / 1.343*	*- / 0.230*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.573*
Installation												
Modification Item 1 of 1: ALIS SHIP INSTALLATION	- / 1.431	- / 3.009	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.440
Subtotal: Installation	*- / 1.431*	*- / 3.009*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 4.440*
Total												
Total Cost (Procurement + Support + Installation)	**2.824**	**3.389**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6.213**

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4267 / Autonomic Logistics Infor System (ALIS Ship Alts)	**Modification Number / Title:** 1 / ALIS SHIP INSTALLATION

Modification Item 1 of 1: ALIS SHIP INSTALLATION

Manufacturer Information

Manufacturer Name: NAWC AD 4.5.10	Manufacturer Location: St. Inigoes, NAS Patuxent River MD
Administrative Leadtime *(in Months)*: 2	Production Leadtime *(in Months)*: 4

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates	Dec 2013						
Delivery Dates	Apr 2014						

Installation Information

Method of Implementation: [none specified]:: Installation Name: Installation Material

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Prior Years	1 / 1.431	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.431
FY 2014	- / -	3 / 3.009	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 3.009
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 1.431	3 / 3.009	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 4.440

Installation Schedule

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

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Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment

ID Code (A=Service Ready, B=Not Service Ready) : B

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
			Program Elements for Code B Items:					Other Related Program Elements:				
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	45.705	49.773	-	49.773	48.277	48.795	49.889	64.217	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	45.705	49.773	-	49.773	48.277	48.795	49.889	64.217	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**45.705**	**49.773**	**-**	**49.773**	**48.277**	**48.795**	**49.889**	**64.217**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	1.927	3.249	-	3.249	2.287	1.940	1.957	1.995	Continuing	Continuing
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Decision Knowledge Programming for Logistics Analysis and Technical Evaluation (DECKPLATE) (S7039): DECKPLATE is the next generation of Naval Aviation Logistics Data Analysis (NALDA) and will interface with Navy Enterprise Resource Planning (ERP) as the Naval Aviation Business Warehouse. It provides the technological improvements and process streamlining required to enable a cost wise transition from the NALDA program to the capabilities required in Joint Vision 2020 and the Naval Transformation Road Map. DECKPLATE is a Commercial Off the Shelf (COTS) intensive system under which numerous stovepipe legacy systems will migrate to create an integrated data environment through the use of Data Warehouse tools and concepts in support of Naval aviation logistics needs. This is being accomplished by upgrading current Naval Aviation logistics reporting mechanisms through the procurement and installation of a fully-licensed, warranted, secure, standardized, COTS, user-friendly, web-based relational database environment. Funding is required to procure the necessary hardware, networking, systems, applications software, infrastructure, and associated engineering and installation support.

Naval Aviation Logistics Command Management Information System/NAVAIR Fleet System Array (NALCOMIS/NFSA) (S7041): Funding supports procurement of HW/SW for technical refresh for both shipboard and afloat units. As Optimized Organizational Maintenance Activity (OOMA) and Optimized Intermediate Maintenance Activity (OIMA) approach full implementation, NALCOMIS (also identified as Naval Air Systems Command Fleet Systems Array (NFSA)) is responsible for implementation of Mid Tier Servers at 75+ sites both shipboard and shore based. These Mid Tier Servers replicate data from the Organizational and Intermediate level maintenance activities to the NALDA Upline processing center to provide near-real time data to decision makers at all levels. The Mid Tier also allows data to be pushed from Headquarters activities to the fleet to support maintenance activities.

Joint Technical Data Integration (JTDI) (S7042): Funding supports procurement of JTDI for installation on all Carrier (CV) and Amphibious Assault (L) class ships and up to 104 Navy/Marine Corps aviation activities. JTDI is a digital technical data access, delivery and local O&I level library management toolset and telemaintenance collaboration process enabler. It improves accuracy and timeliness of technical manual and other technical data delivery and minimizes the Fleet's library management burden. JTDI reduces maintenance manhours with savings Return on Investment (ROI) of 2.5:1 and savings/avoidance ROI of 9.5:1. It facilitates the transition of the Joint Distance Support and Response (JDSR) Advanced Concept Technology Demonstration (ACTD) for telemaintenance and provides for process efficiencies to support ongoing Aviation Fleet Technical Representative reductions.

The Marine Aviation Logistics Enterprise Information Technology (MAL-EIT) (S7046):
The MAL-EIT program is one of four programs contained within the Marine Aviation Logistics Support Program (MALSP) modernization program known as MALSP II. Legacy MALSP is nearly 25 years old and grossly inadequate in IT capability to meet the informational, planning, and C2 needs of a dynamic, geographically distributed nodal Aviation Logistics (AVLOG) system. MAL-EIT is an Abbreviated Acquisition Program (AAP) that will develop and deliver the required IT capability necessary to eliminate the IT related gaps existing in the legacy MALSP. MAL-EIT is a family of IT solutions to be developed and delivered in three increments; the first of which is the Expeditionary Pack-Up Kit (EPUK). EPUK provides Expeditionary Supply Operations such as Business Administration, Inventory and Customer Service Operations.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	P-1 Line Item Number / Title: 4268 / Aviation Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : B	Program Elements for Code B Items:	Other Related Program Elements:

Funding is required to procure the hardware, hand-held peripherals, satellite communication units, and associated engineering and hardware support necessary to facilitate the planning and execution of geographically distributed, expeditionary AVLOG chains in support of deployed USMC Air Combat Element (ACE) operations.

Automated Data Capture System (ADCS) (S7047): ADCS is a user friendly, interactive mobile computing system currently in use at depot-level Fleet Readiness Centers to document and analyze aircraft discrepancies discovered during scheduled maintenance events. Inspectors use menu driven checklists plus digital aircraft and engine drawings during inspection and evaluation to create immediate discrepancy records and produce real time reports that fulfill customer and specification requirements. Requested funding will provide hardware and software for a lead-the-Fleet effort that will enable the organizational maintenance level to utilize ADCS to better document vital corrosion and wiring related discrepancy information. Once captured, this information will be analyzed by organizational level maintenance department personnel and depot level engineers to develop targeted mitigation strategies aimed at reducing or removing corrosion in identified areas. The results of the analysis made possible by using ADCS will greatly improve our understanding of where and how corrosion is affecting our aircraft, resulting in the formulation of statistically targeted area identification and sound attack strategies.

Condition Based Maintenance Plus (CBM+) (S7048): The CBM+ solution is an initiative which provides Naval Aviation Enterprise with common enabling capabilities which deliver timely data-driven decisional information to optimize aircraft availability and materiel readiness by incorporating health and usage leading indicators into the failure mode mitigation process, enabling the Warfighter to more efficiently meet mission requirements through automated analysis and decision making processes. The CBM+ Initiative increases readiness by streamlining maintenance processes, provide the sustainment base with timely, actionable logistics data not previously available, and enable engineers and acquisition professionals to support system improvements based on CBM+ acquired data results. CBM+ provides the enabling solutions needed to extend the life of current and new acquisition aircraft, realizing savings from reductions in field (organizational and intermediate) maintenance actions, reduced functional check flight hours, mishap mitigation, and reduced parts usage.

[P5 / CSEL - SY060]: COMBAT SURVIVOR EVADER LOCATOR - SY060 (Baseline)
CSEL has been designated as an ACAT III Joint Service Program with the USAF as lead service. The CSEL Radio system provides U.S. combat forces with secure, encrypted, low probability of exploitation, two-way, over the horizon, near real time databurst communications with integral precise geopositioning; and non-secure, unencrypted line-of-sight voice and beacon capability to support survival, evasion, and personnel recovery operations. The user segment of the CSEL system is composed of a battery operated Hand Held Radio (HHR) (AN/PRQ-7), a Radio Set Adapter (J-6431/PRQ-7), a Global Positioning System (GPS) antenna and coupler, and a laptop Central Processing Unit with software for loading the HHR CSEL Planning Computer. Fielding of CSEL radios will provide 100% coverage of radios to Aviation personnel that currently lack military GPS enabled radios today.

[P5 / LEP- SY080]: LASER EYE PROTECTION (LEP) - SY080 (Baseline)
The LEP program is a family of eye protection solutions that will provide Fixed, Rotary Wing and Patrol pilots and aircrew with multiple wavelength fixed threat and hazard protection during day and night unaided and Night Vision Goggle aided missions. LEP will consist of a suite of products to include spectacles, googles, and visors. The LEP (visor, spectacle or goggle format) is being developed for compatibility with all required USN/USMC Aviation Life Support Equipment as well as cockpit displays, night vision, and fire control systems.

[P5 / JHMCS Night Vision - SY215]: JOINT HELMET MOUNTED CUEING SYSTEM NIGHT VISION (JHMCS) - SY215 (Baseline)
This system provides aircraft equipped with the JHMCS the ability to cue and display weapons and sensors at night using a Night Vision Cueing and Display device that integrates the JHMCS cueing and display symbology. The system is compatible with the current JHMCS helmet and will use the power and data provided by the JHMCS Universal Connector on the helmet. The System includes a high resolution image intensifier assembly, a camera to record the pilot's visual scene and display. The system is fully adjustable by the operator and is detachable from the helmet.

[P5 / FDC - SY505]: FLIGHT DECK CRANIAL AND HEARING PROTECTION - SY505 (Baseline) The Flight Deck Cranial Program has been divided into three increments by the Milestone Decision Authority. Increment 1 is the Flight Deck Double Hearing Protection (DHP) program and is providing improved hearing protection for aircrew, maintainers, and flight deck personnel, which can be integrated into current legacy helmet and cranial assemblies. Communications versions interface with existing flight deck communications system and F/A-18 Inter-aircraft Communication System. Increment 1 Milestone C (MS C) was successfully completed on 27 April 2011. Increment 2 is the Triple Hearing Protection (THP) program and will provide hearing protection and speech intelligibility for aircrew, maintainers and flight deck personnel in the most extreme noise environments. Communications versions will interface with the shipboard Sound-Powered Phone,existing flight deck communications systems and multiple aircraft communications systems. Increment 2 Initial Operational Capability (IOC) will be in January 2018. Increment 3 will provide lightweight head protection devices/helmets with advancements in head impact protection, and Night Vision Device, Chemical Biological and Radiological clothing, and eye protection compatibility. These products will greatly improve the level of head and hearing protection available to aircrew, maintainers, and flight deck personnel.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : B	**Program Elements for Code B Items:**	**Other Related Program Elements:**

[P5 / EKB - SY450]: ELECTRONIC KNEE BOARD (EKB) - SY450 (Baseline)
The EKB is an aircrew mounted tablet device system. Currently, printed Gridded Reference Graphics (GRG) charts are used to provide aircrew with required information to complete their missions. Evolving flight operations show the need for aircrew to be re-tasked to any part of a large area of operations resulting in the need to carry many more GRG charts in the aircraft. Physical space constraints in the cockpit for printed GRG's and insufficient aircraft memory to store electronic GRG files are adversely affecting the Fleets' ability to perform their mission. The EKB provides a digital means to store and display all required GRG information, which will increase mission flexibility, situational awareness, and overall mission effectiveness. In addition, the EKB will also store and display other information that is currently printed, to include, but not limited to, NATOPS procedures, flight information publications and related mission planning products.

[P5 / EVA - SY217]: ENHANCED VISUAL ACUITY (EVA) - SY217 (Baseline)
EVA provides a digital night vision capability to address critical capability gaps in low and no light illumination levels (night vision) and higher visibility through smoke, dust, and other obscurants. The digital architecture of the system provides the ability to field capabilities incrementally. Increment 1 (IOC expected FY-18) will include capabilities to address the low and no light illumination issues. The increment 1 capability will also provide a sharper image at all light levels by reducing scintillation and will reduce halo/blooming when operating in urban environments. Increment 2 will build on the increment 1 performance by adding capability to address the need for higher visibility through smoke, dust, and other obscurants.

[P5 / AE - SY125]: AIRCREW ENDURANCE (AE) - SY125 (Baseline)
AE is an Abbreviated Acquisition Program. The program is comprised of many components designed to improve endurance in flights of longer duration. Systems include survival vests and body armor design, sizing, compatibility, durability and color improvements; hydration systems; mission extender devices to address physical waste needs; and improved universal camouflage to the Marine Corps coyote color schemes. These improvements will address issues associated with heat stress, physical fatigue, safety and loss of mobility on long duration missions. Changes in the FY15 Budget request reflect reaching the Inventory Objective of 9118 AE Vests in FY13.

[P5 - 2 / S6001 Portable Electronic Maintenance Aids (PEMAs)]: Portable Electronic Maintenance Aids (PEMAs) are Aviation Support Equipment end items used by fleet technicians to assist in performing maintenance and diagnostics of aircraft. Funding is required to procure the necessary hardware, software applications, initial stand up, and production support. PEMAs are a portable display device used in the Automated Maintenance Environment (AME) to read digital maintenance publications and Integrated Electronic Technical Manuals (IETMs). PEMAs with IETMs applications interpret aircraft Binary Digit (BIT) Data to diagnose the aircraft systems and direct maintenance actions.

[P3A / ALIS - Program Support]: Autonomic Logistics Information System (ALIS) Ship Integration - CVN, LHD, LHA: ALIS controls all aspects of F-35 mission planning, maintenance, logistics, and supply functions. Funding for ALIS Ship Integration efforts (Programmatic Support, Engineering Support Services, Material, and Installation efforts) will enable shipboard (CVN, LHD, LHA) modification, classified/ unclassified network integration, the installation of ALIS-related shipboard equipment, ALIS security accreditation, and verification of ALIS operation and functionality to include the integration of ALIS with shipboard Command, Control, Communications and Computers & Intelligence (C4I) Networks and the Prognostic Health Management (PHM) downlink. At the completion of each installation, the respective ship's ALIS will enable the F-35 system to provide, at the appropriate security levels via Navy Local Area Networks (LANs)/Wide Area Networks (WANs), the ability to transfer time-sensitive data for logistics support, mission planning, mission execution, and mission debriefing.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy	Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment

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)
Other Aviation Support Equipment	P-40a, P-5a		- / 0.000	- / -	- / 3.841	- / 7.532	- / -	- / 7.532
1 / Aviation Life Support	P-5, P-5a, P-21		- / 0.000	- / -	- / 28.602	- / 30.586	- / -	- / 30.586
2 / Portable Electronic Maintenance Aids	P-5, P-5a, P-21		- / 0.000	- / -	- / 7.746	- / 7.762	- / -	- / 7.762
1 / ALIS SHIP INSTALLATION (Add Capability)	P-3a		- / 0.000	- / -	- / 5.516	- / 3.893	- / -	- / 3.893
Total Gross/Weapon System Cost			**- / 0.000**	**- / -**	**- / 45.705**	**- / 49.773**	**- / -**	**- / 49.773**

Exhibits Schedule			FY 2017	FY 2018	FY 2019	FY 2020	To Complete	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)
Other Aviation Support Equipment	P-40a, P-5a		- / -	- / -	- / -	- / -	- / -	- / -
1 / Aviation Life Support	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	- / -
2 / Portable Electronic Maintenance Aids	P-5, P-5a, P-21		- / -	- / -	- / -	- / -	- / -	- / -
1 / ALIS SHIP INSTALLATION (Add Capability)	P-3a		- / 2.136	- / 3.909	- / 3.774	- / 3.854	- / 5.360	- / 28.442
Total Gross/Weapon System Cost			**- / 48.277**	**- / 48.795**	**- / 49.889**	**- / 64.217**	**Continuing**	**Continuing**

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

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

Justification:
Beginning in FY2015, funding is transferred from BLIs: 4265 (Other Aviation Support Equipment), 4244 (Aviation Life Support), 4264 (Portable Electronic Maintenance Aids - PEMA), and 4267 (Autonomic Logistics Info Systems - ALIS).

The FY2016 Budget Request provides funding for the following:

Other Aviation Support Equipment - the procurement of hardware and associated support costs for JTDI (S7042), MAL-EIT/EPUK (S7046), and CBM+ (S7048).

Other Aviation Support Equipament - Naval Aviation Logistics Command Management Information System/Naval Air Systems Command Fleet System Array (NALCOMIS/NFSA)(S7041) consists of the purchase of multiple components, which includes servers, peripheral hardware and software rack mounted into one server suite. Funds are required to manage obsolescence and comply with CYBER WARFARE/XP Migration and fleet data replication and analysis processes used to monitor safety and readiness of the Fleet as well as the ability to comply with mandatory Information Security (IA) mandates, which would lead to IT system shutdown without adherence.

Naval Aviation Logistics Data Analysis Decision Knowledge Programming for Logistics Analysis and Technical Evaluation (DECKPLATE)(S7039)consists of the purchase of multiple components, which includes servers, peripheral hardware and software rack mounted into one server suite. Funds are required to manage obsolescence and comply with CYBER WARFARE/XP Migration and fleet data replication and analysis processes used to monitor safety and readiness of the Fleet as well as the ability to comply with mandatory Information Security (IA) mandates, which would lead to IT system shutdown without adherence.

Aviation Life Support - the procurement of hardware and associated support costs for 55 JHMCS Night Vision Devices, 1,218 Aircrew/Flight Deck Maintainer Triple Hearing Protection/Headset assemblies and 1,736 Electronic Knee Board units.

Exhibit P-40, Budget Line Item Justification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : B	**Program Elements for Code B Items:**	**Other Related Program Elements:**

PEMA - the procurement of hardware and associated support costs for 1,612 PEMA units.

ALIS - the procurement of hardware and associated support costs for two (2) ALIS installations.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	**Aggregated Items Title:** Other Aviation Support Equipment (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) Naval Aviation Logistics Data Analysis Decision Knowledge Programming for Logistics Analys																				
1.1) S7039 - Aviation Data Warehouse Environment (2)(†)	A		-	-	-	-	-	-	409,507.00	1	0.410	2,887K	1	2.887	-	-	-	2,887K	1	2.887
Subtotal: 1) Naval Aviation Logistics Data Analysis Decision Knowledge Programming for Logistics Analys			-	-	*0.000*	-	-	-	-	-	*0.410*	-	-	*2.887*	-	-	-	-	-	*2.887*
2) Naval Aviation Logistics Command Management Information System/Naval Air Systems Command F																				
2.1) S7041 - NFSA HW/SW (3)(†)	A		-	-	-	-	-	-	1,003K	1	1.003	2,376K	1	2.376	-	-	-	2,376K	1	2.376
Subtotal: 2) Naval Aviation Logistics Command Management Information System/Naval Air Systems Command F			-	-	*0.000*	-	-	-	-	-	*1.003*	-	-	*2.376*	-	-	-	-	-	*2.376*
3) Joint Technical Data Integration (JTDI)																				
3.1) S7042 - JTDI HW/SW (4)(†)	A		-	-	-	-	-	-	509,000.00	1	0.509	510,000.00	1	0.510	-	-	-	510,000.00	1	0.510
Subtotal: 3) Joint Technical Data Integration (JTDI)			-	-	*0.000*	-	-	-	-	-	*0.509*	-	-	*0.510*	-	-	-	-	-	*0.510*
4) Marine Aviation Logistics Enterprise Information Technology (MAL-EIT)/Expeditionary Pack U																				
4.1) S7046 - EPUK HW/SW (5)(†)	B		-	-	-	-	-	-	374,000.00	1	0.374	212,767.00	1	0.213	-	-	-	212,767.00	1	0.213
Subtotal: 4) Marine Aviation Logistics Enterprise Information Technology (MAL-EIT)/ Expeditionary Pack U			-	-	*0.000*	-	-	-	-	-	*0.374*	-	-	*0.213*	-	-	-	-	-	*0.213*
5) Automated Data Capture System (ADCS)																				
5.1) S7047 - ADCS HW/SW(†)	B		-	-	-	-	-	-	207,000.00	1	0.207	-	-	-	-	-	-	-	-	-
Subtotal: 5) Automated Data Capture System (ADCS)			-	-	*0.000*	-	-	-	-	-	*0.207*	-	-	-	-	-	-	-	-	-
6) Condition Based Maintenance Plus (CBM+)																				
6.1) S7048 - CBM+ HW/SW (6)(†)	A		-	-	-	-	-	-	-	-	-	168,000.00	1	0.168	-	-	-	168,000.00	1	0.168
Subtotal: 6) Condition Based Maintenance Plus (CBM+)			-	-	*0.000*	-	-	-	-	-	-	-	-	*0.168*	-	-	-	-	-	*0.168*

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	**Aggregated Items Title:** Other Aviation Support Equipment (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 Unit Cost ($)	Prior Years Qty (Each)	Prior Years Total Cost ($ M)	FY 2014 Unit Cost ($)	FY 2014 Qty (Each)	FY 2014 Total Cost ($ M)	FY 2015 Unit Cost ($)	FY 2015 Qty (Each)	FY 2015 Total Cost ($ M)	FY 2016 Base Unit Cost ($)	FY 2016 Base Qty (Each)	FY 2016 Base Total Cost ($ M)	FY 2016 OCO Unit Cost ($)	FY 2016 OCO Qty (Each)	FY 2016 OCO Total Cost ($ M)	FY 2016 Total Unit Cost ($)	FY 2016 Total Qty (Each)	FY 2016 Total Total Cost ($ M)
7) Production Engineering Support (AIR6.8)																				
7.1) S7833 - Aviation Data Warehouse Environment	A		-	-	-	-	-	-	-	-	0.326	-	-	0.438	-	-	-	-	-	0.438
7.2) S7833 - Naval Air Systems Command Fleet System Arrays	A		-	-	-	-	-	-	-	-	0.204	-	-	0.537	-	-	-	-	-	0.537
7.3) S7833 - Joint Technical Data Integration	A		-	-	-	-	-	-	-	-	0.684	-	-	0.349	-	-	-	-	-	0.349
7.4) S7833 - Automated Data Capture System	A		-	-	-	-	-	-	-	-	0.124	-	-	-	-	-	-	-	-	-
7.5) S7833 - Condition Based Maintenance Plus	A		-	-	-	-	-	-	-	-	-	-	-	0.054	-	-	-	-	-	0.054
Subtotal: 7) Production Engineering Support (AIR6.8)			-	-	*0.000*	-	-	-	-	-	*1.338*	-	-	*1.378*	-	-	-	-	-	*1.378*
Total			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**3.841**	**-**	**-**	**7.532**	**-**	**-**	**-**	**-**	**-**	**7.532**

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	FY 2017 Unit Cost ($)	FY 2017 Qty (Each)	FY 2017 Total Cost ($ M)	FY 2018 Unit Cost ($)	FY 2018 Qty (Each)	FY 2018 Total Cost ($ M)	FY 2019 Unit Cost ($)	FY 2019 Qty (Each)	FY 2019 Total Cost ($ M)	FY 2020 Unit Cost ($)	FY 2020 Qty (Each)	FY 2020 Total Cost ($ M)	To Complete Unit Cost ($)	To Complete Qty (Each)	To Complete Total Cost ($ M)	Total Cost Unit Cost ($)	Total Cost Qty (Each)	Total Cost Total Cost ($ M)
1) Naval Aviation Logistics Data Analysis Decision Knowledge Programming for Logistics Analys																				
1.1) S7039 - Aviation Data Warehouse Environment (2)(†)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Naval Aviation Logistics Data Analysis Decision Knowledge Programming for Logistics Analys			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) Naval Aviation Logistics Command Management Information System/Naval Air Systems Command F																				
2.1) S7041 - NFSA HW/SW (3)(†)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) Naval Aviation Logistics Command Management Information System/Naval Air Systems Command F			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) Joint Technical Data Integration (JTDI)																				

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	**Aggregated Items Title:** Other Aviation Support Equipment (1)

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
3.1) S7042 - JTDI HW/SW (4)(†)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) Joint Technical Data Integration (JTDI)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) Marine Aviation Logistics Enterprise Information Technology (MAL-EIT)/Expeditionary Pack U																				
4.1) S7046 - EPUK HW/SW (5)(†)	B		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) Marine Aviation Logistics Enterprise Information Technology (MAL-EIT)/ Expeditionary Pack U			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) Automated Data Capture System (ADCS)																				
5.1) S7047 - ADCS HW/SW(†)	B		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) Automated Data Capture System (ADCS)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) Condition Based Maintenance Plus (CBM+)																				
6.1) S7048 - CBM+ HW/SW (6)(†)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) Condition Based Maintenance Plus (CBM+)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) Production Engineering Support (AIR6.8)																				
7.1) S7833 - Aviation Data Warehouse Environment	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2) S7833 - Naval Air Systems Command Fleet System Arrays	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3) S7833 - Joint Technical Data Integration	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.4) S7833 - Automated Data Capture System	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.5) S7833 - Condition Based Maintenance Plus	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7) Production Engineering Support (AIR6.8)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	**Aggregated Items Title:** Other Aviation Support Equipment (1)

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(†) indicates the presence of a P-5a

Footnotes:

(1) Program provides for the acquisition, upgrade, and production support of aviation life support systems required for the personal safety and protection of aircrew against the hazards encountered in the aircraft operating environment and for safe recovery of downed aircrew. Note: Elements of Cost that are not currently funded in the FYDP are no longer included in the "Prior Year" column.

(2) Naval Aviation Logistics Data Analysis Decision Knowledge Programming for Logistics Analysis and Technical Evaluation (DECKPLATE)(S7039) - The unit cost reflects the total of all suites being procured in each fiscal year. FY15 reflects the procurement of 5 suites and additional peripheral hardware items (i.e., power supplies, hard drives, etc.). In FY16 the total cost reflects the procurement of 40 suites and additional peripheral hardware items (i.e., power supplies, hard drives, etc.).An increase in unit cost between FY15 and FY16 reflects the minimum budget requirement to manage obsolescence and comply with CYBER WARFARE/XP Migration and Data Center Consolidation mandates. This funding allows for the installation/re-engineering/consolidation of hardware servers and software within the Naval Air Systems Command/Naval Air Warfare Center, Aircraft Division 7.2 Data Center.

(3) Naval Aviation Logistics Command Management Information System/Naval Air Systems Command Fleet System Array (NALCOMIS/NFSA) (S7041): The unit cost reflects the total of all suites being procured in each fiscal year. FY15 reflects the procurement of 5 suites and additional peripheral hardware items (i.e., power supplies, hard drives, etc.). In FY16 the total cost reflects the procurement of 11 suites and additional peripheral hardware items (i.e., power supplies, hard drives, etc.). There is an increase in unit cost for NFSA from FY15 to FY16 due to the requirement to facilitate technical refresh of hardware/ software to support end of life. The unit cost increase in FY16 represents the minimum budget requirement to manage obsolescence and comply with CYBER WARFARE/XP Migration and fleet data replication and analysis processes used to monitor safety and readiness of the Fleet and the ability to comply with mandatory Information Security (IA) mandates.

(4) Joint Technical Data Integration (JTDI) (S7042): The increase in unit cost of the JTDI suites between FY17 to FY18 is due to a requirement to implement the critical technical refresh of top tier hardware in the quantity of one lot purchase in FY18. This includes continuity of operations. Existing equipment will be at or near end of life. Current technical refresh schedule is every five years.

(5) Marine Aviation Logistics Enterprise Information Technology (MAL-EIT)/Expeditionary Pack Up Kits (EPUK) (S7046) Increase in unit cost for EPUK between FY16 and FY17 is to provide funding to add additional functionality to the EPUK which will enable sustainment of operations in austere environments.

(6) Funding for Condition Based Maintenance (CBM+) was previously executed under DECKPLATE.

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4268 / Aviation Support Equipment	Aggregated Items: Other Aviation Support Equipment (1)

Item Number / Title [DODIC]	OCO	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) Naval Aviation Logistics Data Analysis Decision Knowledge Programming for Logistics Analys												
1.1) S7039 - Aviation Data Warehouse Environment (2)		2015	Teradata Government Systems / Germantown MD	C / FFP	NAVSUP	Dec 2014	Dec 2015	1	409,507.00	Y		Nov 2014
1.1) S7039 - Aviation Data Warehouse Environment (2)		2016	Teradata Government Systems / Germantown MD	C / FFP	NAVSUP	Dec 2015	Dec 2016	1	2,887K	Y		Nov 2015
2) Naval Aviation Logistics Command Management Information System/Naval Air Systems Command F												
2.1) S7041 - NFSA HW/SW (3)		2015	VARIOIUS / VARIOUS	C / FFP	NAVSUP	May 2015	Jun 2015	1	1,003K	Y		Jan 2015
2.1) S7041 - NFSA HW/SW (3)		2016	VARIOIUS / VARIOUS	C / FFP	NAVSUP	May 2016	Jun 2016	1	2,376K	Y		Jan 2016
3) Joint Technical Data Integration (JTDI)												
3.1) S7042 - JTDI HW/SW (4)		2015	DMI / DMI	C / CPFF	DTIC	Jul 2015	Oct 2015	1	509,000.00	Y		May 2015
3.1) S7042 - JTDI HW/SW (4)		2016	DMI / DMI	C / CPFF	DTIC	Jul 2016	Oct 2016	1	510,000.00	Y		May 2016
4) Marine Aviation Logistics Enterprise Information Technology (MAL-EIT)/Expeditionary Pack U												
4.1) S7046 - EPUK HW/SW (5)		2015	VARIOUS / VARIOUS	C / TBD	SPAWAR	Mar 2015	May 2015	1	374,000.00	Y		Jan 2015
4.1) S7046 - EPUK HW/SW (5)		2016	VARIOUS / VARIOUS	C / TBD	SPAWAR	Mar 2016	May 2016	1	212,767.00	Y		Jan 2016
5) Automated Data Capture System (ADCS)												
5.1) S7047 - ADCS HW/SW		2015	CACI / CACI	C / FFP	ARMY	Feb 2015	Mar 2015	1	207,000.00	Y		Jan 2015
6) Condition Based Maintenance Plus (CBM+)												
6.1) S7048 - CBM+ HW/SW (6)		2016	VARIOIUS / VARIOUS	Various	NAVAIR	Feb 2016	Apr 2016	1	168,000.00	Y		Nov 2015

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4268 / Aviation Support Equipment	Item Number / Title [DODIC]: 1 / Aviation Life Support
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	28.602	30.586	-	30.586	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	28.602	30.586	-	30.586	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**28.602**	**30.586**	**-**	**30.586**	**-**	**-**	**-**	**-**	**-**	**-**
(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 - Survival Electronics Cost																		
Recurring Cost																		
1.1.1) CSEL - SY060(†)	-	-	0.000	-	-	-	8,250.00	49	0.404	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*0.000*	-	-	-	-	-	*0.404*	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Survival Electronics Cost	-	-	*0.000*	-	-	-	-	-	*0.404*	-	-	-	-	-	-	-	-	-
Hardware - Helmets, Hearing and Display Cost																		
Recurring Cost																		
2.1.2) JHMCS Night Vision - SY215(†) (7)	-	-	0.000	-	-	-	255,967.00	62	15.870	252,836.00	55	13.906	-	-	-	252,836.00	55	13.906
2.1.3) FDC - SY505(†) (8)	-	-	0.000	-	-	-	3,075.67	2,207	6.788	6,188.83	1,218	7.538	-	-	-	6,188.83	1,218	7.538
2.1.4) EKB - SY450(†)	-	-	0.000	-	-	-	-	-	-	1,905.52	1,736	3.308	-	-	-	1,905.52	1,736	3.308
Subtotal: Recurring Cost	-	-	*0.000*	-	-	-	-	-	*22.658*	-	-	*24.752*	-	-	-	-	-	*24.752*
Subtotal: Hardware - Helmets, Hearing and Display Cost	-	-	*0.000*	-	-	-	-	-	*22.658*	-	-	*24.752*	-	-	-	-	-	*24.752*
Support - Production Support Cost																		
4.1) Survival Electronics - SY830	-	-	0.000	-	-	-	-	-	0.192	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4268 / Aviation Support Equipment	Item Number / Title [DODIC]: 1 / Aviation Life Support
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)
4.2) Helmets, Hearing and Displays - SY830 (9)	-	-	0.000	-	-	-	-	-	5.348	-	-	5.834	-	-	-	-	-	5.834
Subtotal: Support - Production Support Cost	-	-	*0.000*	-	-	-	-	-	*5.540*	-	-	*5.834*	-	-	-	-	-	*5.834*
Gross/Weapon System Cost	**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**28.602**	**-**	**-**	**30.586**	**-**	**-**	**-**	**-**	**-**	**30.586**

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - Survival Electronics Cost																		
Recurring Cost																		
1.1.1) CSEL - SY060(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Survival Electronics Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Helmets, Hearing and Display Cost																		
Recurring Cost																		
2.1.2) JHMCS Night Vision - SY215(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.3) FDC - SY505(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.4) EKB - SY450(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Helmets, Hearing and Display Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Support Cost																		
4.1) Survival Electronics - SY830	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) Helmets, Hearing and Displays - SY830	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Support Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4268 / Aviation Support Equipment	Item Number / Title [DODIC]: 1 / Aviation Life Support
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

(†) indicates the presence of a P-5a

Footnotes:

(7) SY215 JHMCS: Quantity and unit prices in FY14-FYDP (BLI 4268) adjusted to reflect the revised inventory objective and unit cost changes secondary to the USN now being the sole acquiring service and reflects reductions in FY16-FY19 to support higher DoN priorities.

(8) SY505 FDC: Increased funding in FY15-FY18 is to address aircrew hearing protection requirements. Unit cost and quantities vary depending on mix of DHP, THP and improved head protection devices being procured.

(9) SY830 Production Support: Cost increase from FY15-FY16 is secondary to FY16 being the first year of EKB production and associated Production Support costs.

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4268 / Aviation Support Equipment	Item Number / Title [DODIC]: 1 / Aviation Life Support

Cost Elements	OCO	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) CSEL - SY060		2015	Boeing / Huntington Beach, CA	SS / FFP	NAVAIR	Mar 2015	Feb 2016	49	8,250.00	Y		Oct 2011
2.1.2) JHMCS Night Vision - SY215(†)		2015 (10)	Rockwell Collins - ESA Vision Systems / Dallas Ft. Worth, Texas	SS / FFP	NAVAIR	Aug 2015	Apr 2017	62	255,967.00	Y		Dec 2014
2.1.2) JHMCS Night Vision - SY215(†)		2016	Rockwell Collins - ESA Vision Systems / Dallas Ft. Worth, Texas	SS / FFP	NAVAIR	Mar 2016	Apr 2018	55	252,836.00	Y		Dec 2014
2.1.3) FDC - SY505(†)		2015	Creare / Hanover, NH	SS / FFP	NAWCADLKE	Jan 2015	Dec 2015	2,207	3,075.67	Y		Oct 2014
2.1.3) FDC - SY505(†)		2016	Creare / Hanover, NH	SS / FFP	NAWCADLKE	Jan 2016	Dec 2016	1,218	6,188.83	Y		Oct 2015
2.1.4) EKB - SY450		2016	TBD / TBD	C / TBD	NAWCAD	Apr 2016	May 2016	1,736	1,905.52	Y		Oct 2015

(†) indicates the presence of a P-21

Footnotes:

(10) Contract award delayed five months due to vendor response to synopsis, resulting proposal evaluation, cost analysis, contracting and legal reviews. RFP released 04 December 2014.

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	**Item Number / Title [DODIC]:** 1 / Aviation Life Support

Cost Elements (Units in Each)							Fiscal Year 2015												Fiscal Year 2016												
										Calendar Year 2015												Calendar Year 2016									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
2.1.2) JHMCS Night Vision - SY215 (7)																															
	1	2015	NAVY	62	-	62											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	62
	1	2016	NAVY	55	-	55																		A -	-	-	-	-	-	-	55
2.1.3) FDC - SY505 (8)																															
	2	2015	NAVY	2,207	-	2,207				A -	-	-	-	-	-	-	-	-	-	-	184	184	184	184	184	184	184	184	184	184	367
	2	2016	NAVY	1,218	-	1,218																A -	-	-	-	-	-	-	-	-	1,218
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	**Item Number / Title [DODIC]:** 1 / Aviation Life Support

Cost Elements (Units in Each)							Fiscal Year 2017												Fiscal Year 2018												
							Calendar Year 2017												Calendar Year 2018												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
2.1.2) JHMCS Night Vision - SY215 (7)																															
	1	2015	NAVY	62	-	62	-	-	-	-	-	-	6	6	5	5	5	5	5	5	5	5	5	5							-
	1	2016	NAVY	55	-	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	5	5	5	5	25
2.1.3) FDC - SY505 (8)																															
	2	2015	NAVY	2,207	1,840	367	184	183																							-
	2	2016	NAVY	1,218	-	1,218	-	-	102	102	102	102	102	102	101	101	101	101	101	101											-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	**Item Number / Title [DODIC]:** 1 / Aviation Life Support

Cost Elements (Units in Each)							Fiscal Year 2019												Fiscal Year 2020												
							Calendar Year 2019												Calendar Year 2020												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
2.1.2) JHMCS Night Vision - SY215 (7)																															
	1	2015	NAVY	62	62	-																									-
	1	2016	NAVY	55	30	25	5	4	4	4	4	4																			-
2.1.3) FDC - SY505 (8)																															
	2	2015	NAVY	2,207	2,207	-																									-
	2	2016	NAVY	1,218	1,218	-																									-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	**Item Number / Title [DODIC]:** 1 / Aviation Life Support

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	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	Rockwell Collins - ESA Vision Systems - Dallas Ft. Worth, Texas	10	120	180	-	-	-	-	5	3	9	12
2	Creare - Hanover, NH	300	900	2,300	6	3	11	14	1	3	6	9

"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).

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4268 / Aviation Support Equipment	Item Number / Title [DODIC]: 2 / Portable Electronic Maintenance Aids
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	7.746	7.762	-	7.762	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	7.746	7.762	-	7.762	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**7.746**	**7.762**	**-**	**7.762**	**-**	**-**	**-**	**-**	**-**	**-**
(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 - Hardware PEMA Cost																		
Recurring Cost																		
1.1.1) S6001 Portable Electronic Maintenance Aids (PEMAs)(†)	-	-	0.000	-	-	-	3,762.02	1,622	6.102	3,792.18	1,612	6.113	-	-	-	3,792.18	1,612	6.113
Subtotal: Recurring Cost	-	-	*0.000*	-	-	-	-	-	*6.102*	-	-	*6.113*	-	-	-	-	-	*6.113*
Subtotal: Hardware - Hardware PEMA Cost	-	-	*0.000*	-	-	-	-	-	*6.102*	-	-	*6.113*	-	-	-	-	-	*6.113*
Support - Production Cost																		
2.1) S6820 Portable Electronic Maintenance Aids (PEMAs) Support	-	-	0.000	-	-	-	-	-	1.644	-	-	1.649	-	-	-	-	-	1.649
Subtotal: Support - Production Cost	-	-	*0.000*	-	-	-	-	-	*1.644*	-	-	*1.649*	-	-	-	-	-	*1.649*
Gross/Weapon System Cost	**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**7.746**	**-**	**-**	**7.762**	**-**	**-**	**-**	**-**	**-**	**7.762**

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - Hardware PEMA Cost																		
Recurring Cost																		

Exhibit P-5, Cost Analysis: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4268 / Aviation Support Equipment	Item Number / Title [DODIC]: 2 / Portable Electronic Maintenance Aids
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Cost Elements	FY 2017			FY 2018			FY 2019			FY 2020			To Complete			Total Cost		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1.1.1) S6001 Portable Electronic Maintenance Aids (PEMAs)(†)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Hardware PEMA Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Cost																		
2.1) S6820 Portable Electronic Maintenance Aids (PEMAs) Support	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remarks:
[Hardware] Quantities of PEMAs are derived from actual current inventory, as reported by the fleet in the mandated asset tracking system Support Equipment Management System (SEMS). This program is a replenishment of these fielded systems on a one for one basis as required.

(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4268 / Aviation Support Equipment	Item Number / Title [DODIC]: 2 / Portable Electronic Maintenance Aids

Cost Elements	OCO	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) S6001 Portable Electronic Maintenance Aids (PEMAs)(†)		2015 (11)	Panasonic of North America / Secaucus, NJ	C / IDIQ	NAWCAD LKE	Dec 2014	Feb 2015	1,622	3,762.02	Y		Dec 2014
1.1.1) S6001 Portable Electronic Maintenance Aids (PEMAs)(†)		2016	Panasonic of North America / Secaucus, NJ	C / IDIQ	NAWCAD LKE	Dec 2015	Feb 2016	1,612	3,792.18	Y		Dec 2015

(†) indicates the presence of a P-21

Footnotes:

(11) Market research and analysis testing is conducted to determine who will serve as the distributor for Panasonic on each FY IDIQ contract.

Exhibit P-21, Production Schedule: PB 2016 Navy		**Date:** February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	**Item Number / Title [DODIC]:** 2 / Portable Electronic Maintenance Aids

Cost Elements (Units in Each)							Fiscal Year 2015												Fiscal Year 2016												
										Calendar Year 2015												Calendar Year 2016									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.1) S6001 Portable Electronic Maintenance Aids (PEMAs)																															
	1	2015	NAVY	1,622	-	1,622			A -	-	140	140	140	140	140	140	140	140	140	140	140	82									-
	1	2016	NAVY	1,612	-	1,612															A -	-	135	135	135	135	135	135	135	135	532
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	**Item Number / Title [DODIC]:** 2 / Portable Electronic Maintenance Aids

Cost Elements (Units in Each)							Fiscal Year 2017												Fiscal Year 2018												
										Calendar Year 2017												Calendar Year 2018									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
1.1.1) S6001 Portable Electronic Maintenance Aids (PEMAs)																															
	1	2015	NAVY	1,622	1,622	-																									-
	1	2016	NAVY	1,612	1,080	532	135	135	135	127																					-
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL

Exhibit P-21, Production Schedule: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	**Item Number / Title [DODIC]:** 2 / Portable Electronic Maintenance Aids

		Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
MFR Ref #	MFR Name - Location	MSR For 2016	1-8-5 For 2016	MAX For 2016	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	Panasonic of North America - Secaucus, NJ	500	2,000	5,000	-	-	-	-	-	3	2	5

"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).

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	**Modification Number / Title:** 1 / ALIS SHIP INSTALLATION

Resource Summary	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	5.516	3.893	-	3.893	2.136	3.909	3.774	3.854	5.360	28.442
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	5.516	3.893	-	3.893	2.136	3.909	3.774	3.854	5.360	28.442
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**5.516**	**3.893**	**-**	**3.893**	**2.136**	**3.909**	**3.774**	**3.854**	**5.360**	**28.442**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

[ALIS - Program Support] Autonomic Logistics Information System (ALIS) Ship Integration - CVN, LHD, LHA: ALIS controls all aspects of F-35 mission planning, maintenance, logistics, and supply functions. Funding for ALIS Ship Integration efforts (Programmatic Support, Engineering Support Services, Material, and Installation efforts) will enable shipboard (CVN, LHD, LHA) modification, classified/unclassified network integration, the installation of ALIS-related shipboard equipment, ALIS security accreditation, and verification of ALIS operation and functionality to include the integration of ALIS with shipboard Command, Control, Communications and Computers & Intelligence (C4I) Networks and the Prognostic Health Management (PHM) downlink. At the completion of each installation, the respective ship's ALIS will enable the F-35 system to provide, at the appropriate security levels via Navy Local Area Networks (LANs)/Wide Area Networks (WANs), the ability to transfer time-sensitive data for logistics support, mission planning, mission execution, and mission debriefing.

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	**Modification Number / Title:** 1 / ALIS SHIP INSTALLATION
Models of Systems Affected: CVN, LHD, & LHA	**Modification Type:** Add Capability	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Procurement												
Modification Item 1 of 1: ALIS SHIP INSTALLATION												
B Kits												
Recurring												
1.1.1) Installation Material - NonOrganic [12]	- / -	- / -	4 / 0.160	2 / 0.080	- / -	2 / 0.080	- / -	2 / 0.080	2 / 0.080	2 / 0.080	1 / 0.040	13 / 0.520
Subtotal: Recurring	*- / 0.000*	*- / -*	*- / 0.160*	*- / 0.080*	*- / -*	*- / 0.080*	*- / -*	*- / 0.080*	*- / 0.080*	*- / 0.080*	*- / 0.040*	*- / 0.520*
Subtotal: ALIS SHIP INSTALLATION	*- / -*	*- / -*	*4 / 0.160*	*2 / 0.080*	*- / -*	*2 / 0.080*	*- / -*	*2 / 0.080*	*2 / 0.080*	*2 / 0.080*	*1 / 0.040*	*13 / 0.520*
Subtotal: Procurement, All Modification Items	*- / 0.000*	*- / -*	*- / 0.160*	*- / 0.080*	*- / -*	*- / 0.080*	*- / -*	*- / 0.080*	*- / 0.080*	*- / 0.080*	*- / 0.040*	*- / 0.520*
Support *(All Modification Items)*												
2.1) ALIS - Program Support [13]	- / 0.000	- / -	- / 0.830	- / 0.865	- / -	- / 0.865	- / 0.861	- / 0.843	- / 0.842	- / 0.787	- / 2.124	- / 7.152
2.2) ALIS - Production Engineering Support [14]	- / 0.000	- / -	- / 0.549	- / 1.024	- / -	- / 1.024	- / 0.945	- / 0.951	- / 0.954	- / 1.048	- / 2.078	- / 7.549
Subtotal: Support	*- / 0.000*	*- / -*	*- / 1.379*	*- / 1.889*	*- / -*	*- / 1.889*	*- / 1.806*	*- / 1.794*	*- / 1.796*	*- / 1.835*	*- / 4.202*	*- / 14.701*
Installation												
Modification Item 1 of 1: ALIS SHIP INSTALLATION	- / 0.000	- / -	- / 3.977	- / 1.924	- / -	- / 1.924	- / 0.330	- / 2.035	- / 1.898	- / 1.939	- / 1.118	- / 13.221
Subtotal: Installation	*- / 0.000*	*- / -*	*- / 3.977*	*- / 1.924*	*- / -*	*- / 1.924*	*- / 0.330*	*- / 2.035*	*- / 1.898*	*- / 1.939*	*- / 1.118*	*- / 13.221*
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**5.516**	**3.893**	**-**	**3.893**	**2.136**	**3.909**	**3.774**	**3.854**	**5.360**	**28.442**

Exhibit P-3a, Individual Modification: PB 2016 Navy		Date: February 2015
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	**P-1 Line Item Number / Title:** 4268 / Aviation Support Equipment	**Modification Number / Title:** 1 / ALIS SHIP INSTALLATION

Modification Item 1 of 1: ALIS SHIP INSTALLATION

Manufacturer Information

Manufacturer Name: NAWC AD 4.5.10

Manufacturer Location: St. Inigoes, NAS Patuxent River MD

Administrative Leadtime *(in Months)*: 2

Production Leadtime *(in Months)*: 4

Dates	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Contract Dates		Dec 2014	Dec 2015				
Delivery Dates		Apr 2015	Apr 2016				

Installation Information

Method of Implementation: [none specified]:: Installation Name: Installation Material

Installation Cost	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	4 / 3.977	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.977
FY 2016	- / -	- / -	- / -	2 / 1.924	- / -	2 / 1.924	- / -	- / -	- / -	- / -	- / -	2 / 1.924
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.330	2 / 2.035	- / -	- / -	- / -	2 / 2.365
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.898	- / -	- / -	2 / 1.898
FY 2020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.939	- / -	2 / 1.939
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.118	1 / 1.118
Total	- / -	- / -	4 / 3.977	2 / 1.924	- / -	2 / 1.924	- / 0.330	2 / 2.035	2 / 1.898	2 / 1.939	1 / 1.118	13 / 13.221

Installation Schedule

	PYS	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	4	-	-	-	1	1	-	-	-	-	-	-	2	-	-	-	2	-	-	-	2	-	1	13
Out	-	-	-	-	-	-	-	-	4	-	-	-	1	1	-	-	-	-	-	-	2	-	-	-	2	-	-	-	2	1	13

Footnotes:

(12) FY 2017 requested funding supports Design Support Activities (DSA) to include material purchases for the installation of ALIS in FY2018.

(13) FY 2017 requested funding supports Design Support Activities (DSA) to include Alteration Installation Team support for the installation of ALIS in FY 2018.

(14) FY 2017 requested funding supports Design Support Activities (DSA) to include Ship Installation Drawings and Ship check in support of installation of ALIS in FY 2018.

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