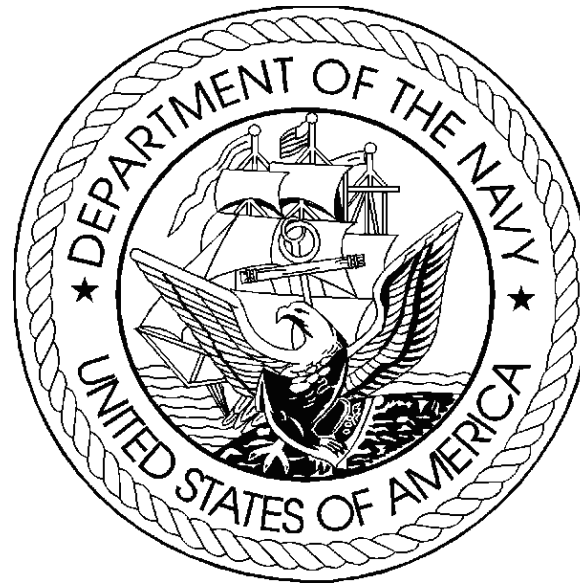


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**Department of Defense  
Fiscal Year (FY) 2015 Budget Estimates**

March 2014



**Navy**

*Justification Book Volume 3*

***Other Procurement, Navy***

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Navy • Budget Estimates FY 2015 • Procurement

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## **Department of Defense Appropriations Act, 2015**

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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, \$5,975,828,000, to remain available for obligation until September 30, 2017.

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Department of the Navy  
 FY 2015 President's Budget  
 Exhibit P-1 FY 2015 President's Budget  
 Total Obligational Authority  
 (Dollars in Thousands)

20 Feb 2014

Appropriation -----	FY 2013 (Base & OCO) -----	FY 2014 Base Enacted -----	FY 2014 OCO Enacted -----	FY 2014 Total Enacted -----	FY 2015 Base -----
Other Procurement, Navy	5,549,390	5,572,618		5,572,618	5,975,828
Total Department of the Navy	5,549,390	5,572,618		5,572,618	5,975,828

## UNCLASSIFIED

Department of the Navy  
FY 2015 President's Budget  
Exhibit P-1 FY 2015 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

20 Feb 2014

## Appropriation: Other Procurement, Navy

Budget Activity -----	FY 2013 (Base & OCO) -----	FY 2014 Base Enacted -----	FY 2014 OCO Enacted -----	FY 2014 Total Enacted -----	FY 2015 Base -----
01. Ships Support Equipment	1,861,875	1,447,020		1,447,020	1,702,157
02. Communications & Electronics Equip	1,899,887	2,083,267		2,083,267	2,326,845
03. Aviation Support Equipment	428,133	469,920		469,920	397,270
04. Ordnance Support Equipment	580,174	766,516		766,516	652,164
05. Civil Engineering Support Equip	93,945	77,018		77,018	57,254
06. Supply Support Equipment	44,786	39,966		39,966	117,900
07. Personnel & Command Support Equip	441,496	421,677		421,677	397,154
08. Spares and Repair Parts	199,094	267,234		267,234	325,084
Total Other Procurement, Navy	5,549,390	5,572,618		5,572,618	5,975,828



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Department of the Navy  
FY 2015 President's Budget  
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Total Obligational Authority  
(Dollars in Thousands)

20 Feb 2014

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2013 (Base & OCO) Quantity Cost	FY 2014 Base Enacted Quantity Cost	FY 2014 OCO Enacted Quantity Cost	FY 2014 Total Enacted Quantity Cost	FY 2015 Base Quantity Cost	S e c
Budget Activity 01: Ships Support Equipment								
-----								
Ship Propulsion Equipment								
1	LM-2500 Gas Turbine	A	9,893	10,180		10,180	7,822	U
2	Allison 501k Gas Turbine	A	3,724	5,536		5,536	2,155	U
3	Hybrid Electric Drive (HED)						22,704	U
Generators								
4	Surface Combatant HM&E	A		16,129		16,129	29,120	U
Navigation Equipment								
5	Other Navigation Equipment	A	21,219	33,386		33,386	45,431	U
Periscopes								
6	Sub Periscopes & Imaging Equip	A	48,741	44,304		44,304	60,970	U
Other Shipboard Equipment								
7	DDG Mod	A	407,709	285,994		285,994	338,569	U
8	Firefighting Equipment	A	8,366	14,389		14,389	15,486	U
9	Command and Control Switchboard	A	2,229	2,436		2,436	2,219	U
10	LHA/LHD Midlife	A		6,350		6,350	17,928	U
11	LCC 19/20 Extended Service Life Program	A		37,329		37,329	22,025	U
12	Pollution Control Equipment	B	16,906	17,514		17,514	12,607	U
13	Submarine Support Equipment	A	22,764	8,678		8,678	16,492	U
14	Virginia Class Support Equipment	A	70,995	69,241		69,241	74,129	U

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Department of the Navy  
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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2013 (Base & OCO) Quantity Cost	FY 2014 Base Enacted Quantity Cost	FY 2014 OCO Enacted Quantity Cost	FY 2014 Total Enacted Quantity Cost	FY 2015 Base Quantity Cost	S e c
15	LCS Class Support Equipment		8,566	47,078		47,078	36,206	U
16	Submarine Batteries		38,179	37,000		37,000	37,352	U
17	LPD Class Support Equipment		25,835	20,425		20,425	49,095	U
18	Electronic Dry Air	A					2,996	U
19	Strategic Platform Support Equip	A	14,564	12,986		12,986	11,558	U
20	DSSP Equipment	A	3,336	2,455		2,455	5,518	U
21	CG Modernization	A	80,868	10,539		10,539		U
22	LCAC	A	15,557	14,431		14,431	7,158	U
23	Underwater Eod Programs		30,605	31,513		31,513	58,783	U
24	Items Less Than \$5 Million	A	55,494	68,590		68,590	68,748	U
25	Chemical Warfare Detectors	A	3,977	3,678		3,678	2,937	U
26	Submarine Life Support System	A	5,847	8,292		8,292	8,385	U
	Reactor Plant Equipment							
27	Reactor Power Units	A	287,222					U
28	Reactor Components	A	256,525	256,744		256,744	288,822	U
	Ocean Engineering							
29	Diving and Salvage Equipment	A	8,262	6,854		6,854	10,572	U
	Small Boats							
30	Standard Boats	A	29,013	28,676		28,676	129,784	U
	Training Equipment							
31	Other Ships Training Equipment	A	30,591	36,145		36,145	17,152	U

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Department of the Navy  
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Line No	Item Nomenclature	Ident Code	FY 2013 (Base & OCO) Quantity Cost	FY 2014 Base Enacted Quantity Cost	FY 2014 OCO Enacted Quantity Cost	FY 2014 Total Enacted Quantity Cost	FY 2015 Base Quantity Cost	S e c
----	-----	-----	-----	-----	-----	-----	-----	-
Production Facilities Equipment								
32	Operating Forces Ipe	A	86,405	46,868		46,868	39,409	U
Other Ship Support								
33	Nuclear Alterations	A	141,755	106,328		106,328	118,129	U
34	LCS Common Mission Modules Equipment		25,087	35,966		35,966	37,413	U
35	LCS MCM Mission Modules		31,829	34,885		34,885	15,270	U
36	LCS ASW Mission Modules						2,729	U
37	LCS SUW Mission Modules		30,301	19,481		19,481	44,208	U
38	Remote Minehunting System (RMS)	A					42,276	U
Logistic Support								
39	LSD Midlife		39,511	66,620		66,620		U
Total Ships Support Equipment			1,861,875	1,447,020		1,447,020	1,702,157	
Budget Activity 02: Communications & Electronics Equip								
-----								
Ship Sonars								
40	SPQ-9B Radar	A	18,076	27,934		27,934	28,007	U
41	AN/SQQ-89 Surf ASW Combat System	A	80,059	83,231		83,231	79,802	U
42	SSN Acoustics	A	174,919	175,852		175,852	165,655	U
43	Undersea Warfare Support Equipment	A	15,520	9,394		9,394	9,487	U
44	Sonar Switches and Transducers	A	12,349	12,953		12,953	11,621	U
45	Electronic Warfare MILDEC	A		8,958		8,958		U

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ASW Electronic Equipment								
46	Submarine Acoustic Warfare System	A	14,312	20,937		20,937	24,221	U
47	SSTD	A	9,870				12,051	U
48	Fixed Surveillance System	A	104,912	94,338		94,338	170,831	U
49	SURTASS	A	2,572	9,680		9,680	9,619	U
50	Maritime Patrol and Reconnsaissance Force	A	16,964	18,130		18,130	14,390	U
Electronic Warfare Equipment								
51	AN/SLQ-32	A	79,951	150,353		150,353	214,582	U
Reconnaissance Equipment								
52	Shipboard IW Exploit	A	90,027	100,736		100,736	124,862	U
53	Automated Identification System (AIS)		841	896		896	164	U
Submarine Surveillance Equipment								
54	Submarine Support Equipment Prog	A	31,191	44,429		44,429	45,362	U
Other Ship Electronic Equipment								
55	Cooperative Engagement Capability	B	20,334	29,592		29,592	33,939	U
56	Trusted Information System (TIS)		428	396		396	324	U
57	Naval Tactical Command Support System (NTCSS)	A	32,109	15,703		15,703	18,192	U
58	ATDLS	A		3,836		3,836	16,768	U
59	Navy Command and Control System (NCCS)		9,468	7,201		7,201	5,219	U
60	Minesweeping System Replacement	A	39,826	51,400		51,400	42,108	U

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61	Shallow Water MCM	B	6,399	8,548		8,548		U
62	Navstar GPS Receivers (SPACE)	A	9,515	11,765		11,765	15,232	U
63	American Forces Radio and TV Service	A	5,043	6,483		6,483	4,524	U
64	Strategic Platform Support Equip	A	3,328	7,631		7,631	6,382	U
Training Equipment								
65	Other Training Equipment	A	37,757	40,644		40,644	46,122	U
Aviation Electronic Equipment								
66	Matcals	A	5,543	7,461		7,461	16,999	U
67	Shipboard Air Traffic Control	B	7,769	9,140		9,140	9,366	U
68	Automatic Carrier Landing System	A	12,731	20,798		20,798	21,357	U
69	National Air Space System	B	14,201	19,754		19,754	26,639	U
70	Fleet Air Traffic Control Systems	A	6,270	8,909		8,909	9,214	U
71	Landing Systems	A	5,833	13,554		13,554	13,902	U
72	ID Systems	A	27,895	34,834		34,834	34,901	U
73	Naval Mission Planning Systems	A	9,411	14,131		14,131	13,950	U
Other Shore Electronic Equipment								
74	Deployable Joint Command & Control	A	8,469	3,249		3,249	1,205	U
75	Maritime Integrated Broadcast System		13,680	11,646		11,646	3,447	U
76	Tactical/Mobile C4I Systems	A	14,436	18,189		18,189	16,766	U
77	DCGS-N	A	12,646	17,350		17,350	23,649	U
78	CANES		297,752	325,340		325,340	357,589	U

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79	RADIAC	A	7,952	9,835		9,835	8,343	U
80	CANES-Intell		62,586	55,262		55,262	65,015	U
81	GPETE	A	5,587	6,253		6,253	6,284	U
82	Integ Combat System Test Facility	A	4,541	4,963		4,963	4,016	U
83	EMI Control Instrumentation	A	4,369	4,664		4,664	4,113	U
84	Items Less Than \$5 Million	A	63,983	66,889		66,889	45,053	U
Shipboard Communications								
85	Shipboard Tactical Communications	A					14,410	U
86	Ship Communications Automation	A	51,693	23,877		23,877	20,830	U
87	Maritime Domain Awareness (MDA)	A	913					U
88	Communications Items Under \$5M	A	30,653	28,001		28,001	14,145	U
Submarine Communications								
89	Submarine Broadcast Support	A	3,650	7,856		7,856	11,057	U
90	Submarine Communication Equipment	A	58,916	64,376		64,376	67,852	U
Satellite Communications								
91	Satellite Communications Systems	A	46,061	27,381		27,381	13,218	U
92	Navy Multiband Terminal (NMT)		156,170	183,620		183,620	272,076	U
Shore Communications								
93	JCS Communications Equipment	A	2,128	4,463		4,463	4,369	U
94	Electrical Power Systems	A	1,189	778		778	1,402	U

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Line No	Item Nomenclature	Ident Code	FY 2013 (Base & OCO) Quantity Cost	FY 2014 Base Enacted Quantity Cost	FY 2014 OCO Enacted Quantity Cost	FY 2014 Total Enacted Quantity Cost	FY 2015 Base Quantity Cost	S e c
Cryptographic Equipment								
95	Info Systems Security Program (ISSP)	A	123,917	133,530		133,530	110,766	U
96	MIO Intel Exploitation Team	A		1,000		1,000	979	U
Cryptologic Equipment								
97	Cryptologic Communications Equip	A	11,773	12,251		12,251	11,502	U
Other Electronic Support								
98	Coast Guard Equipment	A	5,946	2,893		2,893	2,967	U
Drug Interdiction Support								
99	Other Drug Interdiction Support	A	5,454					U
Total Communications & Electronics Equip			1,899,887	2,083,267		2,083,267	2,326,845	
Budget Activity 03: Aviation Support Equipment								
Sonobuoys								
100	Sonobuoys - All Types	A	109,517	177,327		177,327	182,946	U
Aircraft Support Equipment								
101	Weapons Range Support Equipment	A	67,162	50,679		50,679	47,944	U
102	Expeditionary Airfields	A	33,687	4,677		4,677		U
103	Aircraft Support Equipment	A					76,683	U
104	Aircraft Rearming Equipment	A	8,530	11,364		11,364		U
105	Aircraft Launch & Recovery Equipment	A	69,311	57,502		57,502		U
106	Meteorological Equipment	A	17,790	19,118		19,118	12,575	U
107	DCRS/DPL	A	1,345	1,425		1,425	1,415	U

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Department of the Navy  
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108	Aviation Life Support	A	37,327	29,670		29,670		U
109	Airborne Mine Countermeasures	A	47,352	86,054		86,054	23,152	U
110	Lamps MK III Shipboard Equipment	A	17,666	18,293		18,293		U
111	Portable Electronic Maintenance Aids		7,303	7,969		7,969		U
112	Other Aviation Support Equipment	A	8,319	2,415		2,415		U
113	Autonomic Logistics Information System (ALIS)		2,824	3,427		3,427		U
114	Aviation Support Equipment	A					52,555	U
	Total Aviation Support Equipment		428,133	469,920		469,920	397,270	
Budget Activity 04: Ordnance Support Equipment								
Ship Gun System Equipment								
115	Ship Gun Systems Equipment	A					5,572	U
116	Naval Fires Control System	A	3,177	1,188		1,188		U
117	Gun Fire Control Equipment	A	4,141	4,447		4,447		U
Ship Missile Systems Equipment								
118	Ship Missile Support Equipment	A					165,769	U
119	NATO Seasparrow	A	8,227	58,368		58,368		U
120	RAM GMLS	A	1,074	491		491		U
121	Ship Self Defense System	B	52,874	51,858		51,858		U
122	AEGIS Support Equipment	A	74,528	59,757		59,757		U
123	Tomahawk Support Equipment	A	62,651	63,559		63,559	61,462	U

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Department of the Navy  
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----	-----	-----	-----	-----	-----	-----	-----	-
124	Vertical Launch Systems	A	651	626		626		U
125	Maritime Integrated Planning System-MIPS	A	3,652	2,779		2,779		U
	FBM Support Equipment							
126	Strategic Missile Systems Equip	A	169,105	224,484		224,484	229,832	U
	ASW Support Equipment							
127	SSN Combat Control Systems	A	59,433	73,078		73,078	66,020	U
128	ASW Support Equipment	A					7,559	U
129	Submarine ASW Support Equipment	A	3,952	3,913		3,913		U
130	Surface ASW Support Equipment	A	5,942	3,909		3,909		U
131	ASW Range Support Equipment	A	44,139	28,694		28,694		U
	Other Ordnance Support Equipment							
132	Explosive Ordnance Disposal Equip	B	3,574	46,586		46,586	20,619	U
133	Items Less Than \$5 Million	A	2,639	11,933		11,933	11,251	U
	Other Expendable Ordnance							
134	Anti-Ship Missile Decoy System	A	27,355	62,361		62,361		U
135	Surface Training Device Mods	A	31,461	41,813		41,813		U
136	Submarine Training Device Mods	A	21,599	26,672		26,672		U
137	Training Device Mods	A					84,080	U
			-----	-----	-----	-----	-----	
	Total Ordnance Support Equipment		580,174	766,516		766,516	652,164	

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Budget Activity 05: Civil Engineering Support Equip								
-----								
Civil Engineering Support Equipment								
138	Passenger Carrying Vehicles	A	5,200	5,600		5,600	2,282	U
139	General Purpose Trucks	A	3,202	3,717		3,717	547	U
140	Construction & Maintenance Equip	A	9,665	10,881		10,881	8,949	U
141	Fire Fighting Equipment	A	15,950	14,748		14,748	14,621	U
142	Tactical Vehicles	B	27,181	5,540		5,540	957	U
143	Amphibious Equipment	A	11,861	5,741		5,741	8,187	U
144	Pollution Control Equipment	A	6,576	3,852		3,852	2,942	U
145	Items Under \$5 Million	A	13,241	25,757		25,757	17,592	U
146	Physical Security Vehicles	A	1,069	1,182		1,182	1,177	U
Total Civil Engineering Support Equip			93,945	77,018		77,018	57,254	
Budget Activity 06: Supply Support Equipment								
-----								
Supply Support Equipment								
147	Materials Handling Equipment	A	10,182	5,250		5,250	10,937	U
148	Other Supply Support Equipment	A	6,324	6,401		6,401	10,374	U
149	First Destination Transportation	A	6,023	5,718		5,718	5,668	U
150	Special Purpose Supply Systems	A	22,257	22,597		22,597	90,921	U
Total Supply Support Equipment			44,786	39,966		39,966	117,900	

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Budget Activity 07: Personnel & Command Support Equip								
-----								
Training Devices								
151	Training Support Equipment	A	23,310	22,527		22,527	22,046	U
Command Support Equipment								
152	Command Support Equipment	A	50,412	50,428		50,428	24,208	U
153	Education Support Equipment	A	2,248				874	U
154	Medical Support Equipment	A	2,798	4,925		4,925	2,634	U
156	Naval MIP Support Equipment	A	3,096				3,573	U
157	Operating Forces Support Equipment	A	13,469	11,019		11,019	3,997	U
158	C4ISR Equipment	A	4,338				9,638	U
159	Environmental Support Equipment	A	17,829	18,276		18,276	21,001	U
160	Physical Security Equipment	A	137,746	115,935		115,935	94,957	U
161	Enterprise Information Technology	A	175,486	186,427		186,427	87,214	U
Other								
164	Next Generation Enterprise Service	A					116,165	U
999	Classified Programs		10,764	12,140		12,140	10,847	U
Total Personnel & Command Support Equip			441,496	421,677		421,677	397,154	

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Department of the Navy  
FY 2015 President's Budget  
Exhibit P-1 FY 2015 President's Budget  
Total Obligational Authority  
(Dollars in Thousands)

20 Feb 2014

Appropriation: 1810N Other Procurement, Navy

Line	Item Nomenclature	Ident	FY 2013 (Base & OCO)	FY 2014 Base Enacted	FY 2014 OCO Enacted	FY 2014 Total Enacted	FY 2015 Base	S
No		Code	Quantity	Cost	Quantity	Cost	Quantity	Cost
----	-----	-----	-----	-----	-----	-----	-----	-----
Budget Activity 08: Spares and Repair Parts								
-----								
Spares and Repair Parts								
165	Spares and Repair Parts	A	199,094	267,234		267,234	325,084	U
			-----	-----	-----	-----	-----	
	Total Spares and Repair Parts		199,094	267,234		267,234	325,084	
			-----	-----	-----	-----	-----	
	Total Other Procurement, Navy		5,549,390	5,572,618		5,572,618	5,975,828	

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Navy • Budget Estimates FY 2015 • Procurement

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

<b>Line Item Title</b>	<b>Line Item Number</b>	<b>Line #</b>	<b>BA</b>	<b>BSA</b>	<b>Page</b>
Acft Launch & Recovery Equip	4216	105	03	03.....	Volume 3 - 67
Acft Rearming Equip	4214	104	03	03.....	Volume 3 - 61
Airborne Mine Countermeasures	4248	109	03	03.....	Volume 3 - 101
Aircraft Support Equipment	4213	103	03	03.....	Volume 3 - 21
Autonomic Logistics Infor System (ALIS Ship Alts)	4267	113	03	03.....	Volume 3 - 121
Aviation Life Support	4244	108	03	03.....	Volume 3 - 97
Aviation Support Equipment	4268	114	03	03.....	Volume 3 - 127
DCRS/DPL	4242	107	03	03.....	Volume 3 - 93
Expeditionary Airfields	4208	102	03	03.....	Volume 3 - 15
LAMPS MK III Shipboard Equipment	4255	110	03	03.....	Volume 3 - 107
Meteorological Equipment	4226	106	03	03.....	Volume 3 - 87
Other Aviation Support Equipment	4265	112	03	03.....	Volume 3 - 117
Portable Electronic Maintenance Aids	4264	111	03	03.....	Volume 3 - 113
Sonobuoys - All Types	4048	100	03	01.....	Volume 3 - 1
Weapons Range Support Equipment	4204	101	03	03.....	Volume 3 - 7

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy									<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 1: Sonobuoys							<b>P-1 Line Item Number / Title:</b> 4048 / Sonobuoys - All Types					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A			<b>Program Elements for Code B Items:</b>					<b>Other Related Program Elements:</b>				
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO<sup>#</sup></b>	<b>FY 2015 Total</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	900.248	109.516	177.327	182.946	-	182.946	176.921	181.783	211.789	212.765	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	900.248	109.516	177.327	182.946	-	182.946	176.921	181.783	211.789	212.765	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>900.248</b>	<b>109.516</b>	<b>177.327</b>	<b>182.946</b>	<b>-</b>	<b>182.946</b>	<b>176.921</b>	<b>181.783</b>	<b>211.789</b>	<b>212.765</b>	<b>Continuing</b>	<b>Continuing</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<p><sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.</p> <p><b>Description:</b> 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-8A and H-60 platforms.</p> <p>[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.</p> <p>[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.</p> <p>[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.</p> <p>[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.</p> <p>[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.</p> <p>[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.</p>												

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy																<b>Date:</b> March 2014				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 1: Sonobuoys											<b>P-1 Line Item Number / Title:</b> 4048 / Sonobuoys - All Types									
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>Program Elements for Code B Items:</b>						<b>Other Related Program Elements:</b>								
<b>Exhibits Schedule</b>			<b>Prior Years</b>			<b>FY 2013</b>			<b>FY 2014</b>			<b>FY 2015 Base</b>			<b>FY 2015 OCO</b>			<b>FY 2015 Total</b>		
<b>Title*</b>	<b>Exhibits</b>	<b>ID CD</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
Item - 1 / Sonobuoys, All Types	P-5		-	-	900.248	-	-	109.516	-	-	177.327	-	-	182.946	-	-	-	-	-	182.946
<b>Total Gross/Weapon System Cost</b>			-	-	<b>900.248</b>	-	-	<b>109.516</b>	-	-	<b>177.327</b>	-	-	<b>182.946</b>	-	-	<b>-</b>	-	-	<b>182.946</b>
*For Items, Title represents the Item Number / Title [DODIC].																				
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																				
<p><b>Justification:</b></p> <p>The increase in sonobuoy procurement funding enables several facets of the Navy's overall ASW mission readiness. This funding puts sonobuoy procurement on a trajectory to meet threshold 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 capability for the P-8A 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.</p>																				



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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014								
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								
Resource Summary					Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO <sup>#</sup>			FY 2015 Total		
Procurement Quantity <i>(Units in Each)</i>					-			-			-			-			-			-		
Gross/Weapon System Cost <i>(\$ in Millions)</i>					900.248			109.516			177.327			182.946			-			182.946		
Less PY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Net Procurement (P1) <i>(\$ in Millions)</i>					900.248			109.516			177.327			182.946			-			182.946		
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>					900.248			109.516			177.327			182.946			-			182.946		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																						
Initial Spares <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>					-			-			-			-			-			-		
# The FY 2015 OCO Request will be submitted at a later date.																						
Cost Elements		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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			594.99	6,711	3.993	-	-	-	703.63	2,065	1.453	690.44	2,061	1.423	-	-	-	690.44	2,061	1.423		
1.1.2) AN/SSQ-53 (DIFAR) QZ002 <sup>(1)</sup>			749.87	118,703	89.012	769.15	84,707	65.152	798.96	67,240	53.722	823.52	65,425	53.879	-	-	-	823.52	65,425	53.879		
1.1.3) AN/SSQ-62 (DICASS) QZ004 <sup>(2)</sup>			1,542.48	18,786	28.977	1,698.40	7,228	12.276	1,712.04	10,300	17.634	1,815.98	8,260	15.000	-	-	-	1,815.98	8,260	15.000		
Subtotal: Recurring Cost			-	-	121.982	-	-	77.428	-	-	72.809	-	-	70.302	-	-	-	-	-	70.302		
Subtotal: Hardware - Sonobuoys (Common) Cost			-	-	121.982	-	-	77.428	-	-	72.809	-	-	70.302	-	-	-	-	-	70.302		
Hardware - Sonobuoys (Multistatic) Cost																						
Recurring Cost																						
2.1.1) AN/SSQ-101 (ADAR) QZ006 <sup>(3)</sup>			5,407.03	5,039	27.246	5,384.91	1,047	5.638	4,261.84	9,311	39.682	4,121.61	12,154	50.094	-	-	-	4,121.61	12,154	50.094		
2.1.2) AN/SSQ-125 (Multistatic Coherent Source) QZ010 <sup>(4)</sup>			5,501.24	4,441	24.431	5,961.49	2,960	17.646	4,292.74	12,793	54.917	3,908.42	13,452	52.576	-	-	-	3,908.42	13,452	52.576		
Subtotal: Recurring Cost			-	-	51.677	-	-	23.284	-	-	94.599	-	-	102.670	-	-	-	-	-	102.670		
Subtotal: Hardware - Sonobuoys (Multistatic) Cost			-	-	51.677	-	-	23.284	-	-	94.599	-	-	102.670	-	-	-	-	-	102.670		
Hardware - Sonobuoys (Other) Cost																						
Recurring Cost																						
3.1.1) SUS MK84 QZ012			-	-	-	-	-	-	315.34	5,150	1.624	287.18	5,150	1.479	-	-	-	287.18	5,150	1.479		

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<b>Exhibit P-5, Cost Analysis: PB 2015 Navy</b>																<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 1								<b>P-1 Line Item Number / Title:</b> 4048 / Sonobuoys - All Types								<b>Item Number / Title [DODIC]:</b> 1 / Sonobuoys, All Types			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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)
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	1.624	-	-	1.479	-	-	-	-	-	1.479
<i>Subtotal: Hardware - Sonobuoys (Other) Cost</i>		-	-	-	-	-	-	-	-	1.624	-	-	1.479	-	-	-	-	-	1.479
Hardware - Acceptance Testing Cost																			
Recurring Cost																			
4.1.1) Common QZ860 <sup>(5)</sup>		-	-	6.787	-	-	3.330	-	-	1.957	-	-	1.746	-	-	-	-	-	1.746
4.1.2) Multistatic QZ860		-	-	2.298	-	-	1.052	-	-	2.495	-	-	2.816	-	-	-	-	-	2.816
4.1.3) Other QZ860		-	-	-	-	-	-	-	-	0.045	-	-	0.048	-	-	-	-	-	0.048
<i>Subtotal: Recurring Cost</i>		-	-	9.085	-	-	4.382	-	-	4.497	-	-	4.610	-	-	-	-	-	4.610
<i>Subtotal: Hardware - Acceptance Testing Cost</i>		-	-	9.085	-	-	4.382	-	-	4.497	-	-	4.610	-	-	-	-	-	4.610
Hardware - Prior Years Cost																			
Non Recurring Cost																			
5.1.1) Prior Years		-	-	708.043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>		-	-	708.043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Prior Years Cost</i>		-	-	708.043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Engineering Cost																			
6.1) Common QZ830		-	-	7.244	-	-	3.452	-	-	1.637	-	-	1.533	-	-	-	-	-	1.533
6.2) Multistatic QZ830		-	-	2.217	-	-	0.970	-	-	2.124	-	-	2.310	-	-	-	-	-	2.310
6.3) Other QZ830		-	-	-	-	-	-	-	-	0.037	-	-	0.042	-	-	-	-	-	0.042
<i>Subtotal: Support - Production Engineering Cost</i>		-	-	9.461	-	-	4.422	-	-	3.798	-	-	3.885	-	-	-	-	-	3.885
<b>Gross/Weapon System Cost</b>		-	-	<b>900.248</b>	-	-	<b>109.516</b>	-	-	<b>177.327</b>	-	-	<b>182.946</b>	-	-	-	-	-	<b>182.946</b>
<b>Remarks:</b> [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.  <b>Footnotes:</b> <sup>(1)</sup> In FY13, Sonobuoys, All Types (4048) was reduced \$8.123M for sequestration. An additional \$13.1M was reprogrammed into 4048 in FY13 to make up for fleet sonobuoy shortfall and sequestration buyback. FY13 AN/SSQ-53 quantities increased as a result. AN/SSQ-53 unit cost increase from FY13 to FY14 is due to a quantity decrease. AN/SSQ-53 unit cost increase from FY15 to FY16 is due to the incorporation of High Altitude ASW (HAASW) capabilities.																			

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Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
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
<p>(2) 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.</p> <p>(3) AN/SSQ-101 unit cost increase from FY15 to FY16 is due to the incorporation of High Altitude ASW (HAASW) capabilities.</p> <p>(4) In FY13, Sonobuoys, All Types (4048) was reduced \$8.123M for sequestration. An additional \$13.1M was reprogrammed into 4048 in FY13 to make up for fleet sonobuoy shortfall and sequestration buyback. FY13 AN/SSQ-125 quantities increased as a result.</p> <p>(5) In FY13, Sonobuoys, All Types (4048) was reduced \$8.123M for sequestration. An additional \$13.1M was reprogrammed into 4048 in FY13 to make up for fleet sonobuoy shortfall and sequestration buyback. FY13 Acceptance Testing was restored as a result.</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy									<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment							<b>P-1 Line Item Number / Title:</b> 4204 / Weapons Range Support Equipment					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A			<b>Program Elements for Code B Items:</b>					<b>Other Related Program Elements:</b>				
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO<sup>#</sup></b>	<b>FY 2015 Total</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	386.399	67.162	50.679	47.944	-	47.944	49.694	50.152	49.539	50.598	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	386.399	67.162	50.679	47.944	-	47.944	49.694	50.152	49.539	50.598	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>386.399</b>	<b>67.162</b>	<b>50.679</b>	<b>47.944</b>	<b>-</b>	<b>47.944</b>	<b>49.694</b>	<b>50.152</b>	<b>49.539</b>	<b>50.598</b>	<b>Continuing</b>	<b>Continuing</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	1.905	3.495	4.307	-	4.307	3.456	3.487	3.510	3.534	Continuing	Continuing
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<p><sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.</p> <p><b>Description:</b>  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.</p> <p>[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.</p> <p>[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 (FDFN) 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.</p> <p>[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</p>												

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
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:
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.		
<p>[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. The system will be interoperable with the USAF P5 CTS system. The 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.</p>		
<p>[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. The system will be interoperable with the USAF P5 CTS system. The 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.</p>		
<p>[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. The system will be interoperable with the USAF P5 CTS system. The 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.</p>		
<p>[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.</p>		
<p>[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.</p>		
<p>[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.</p>		
<p>[P5 / SC711 CONG - FY13 Training Range Upgrades]: FY13 Congressional funds provided to support acquisition and deployment of Navy Fleet Training Range instrumentation. Training range instrumentation includes but is not limited to: tracking instrumentation (both fixed-site and movable), instrumentation capabilities to exchange and process data with the combat systems, instrumentation designed to provide a realistic electronic warfare environment, equipment for impact scoring of practice weapons, and support instrumentation to include communications, surveillance, and data transmission systems necessary for the effective operation of the training ranges.</p>		
<p>[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. The system will be interoperable with the USAF P5 CTS system. The 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.</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy	<b>Date:</b> March 2014
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	<b>P-1 Line Item Number / Title:</b> 4204 / Weapons Range Support Equipment
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - 1 / Weapons Range Support Equipment	P-5		-	-	386.399	-	-	67.162	-	-	50.679	-	-	47.944	-	-	-	-	-	47.944
<b>Total Gross/Weapon System Cost</b>			-	-	<b>386.399</b>	-	-	<b>67.162</b>	-	-	<b>50.679</b>	-	-	<b>47.944</b>	-	-	<b>-</b>	-	-	<b>47.944</b>

\*For Items, Title represents the Item Number / Title [DODIC].

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

**Justification:**  
 Operational forces of the Navy's air, surface, and subsurface units are being 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.

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014											
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											
Resource Summary					Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO <sup>#</sup>			FY 2015 Total					
Procurement Quantity <i>(Units in Each)</i>					-			-			-			-			-			-					
Gross/Weapon System Cost <i>(\$ in Millions)</i>					386.399			67.162			50.679			47.944			-			47.944					
Less PY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-					
Net Procurement (P1) <i>(\$ in Millions)</i>					386.399			67.162			50.679			47.944			-			47.944					
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-					
Total Obligation Authority <i>(\$ in Millions)</i>					386.399			67.162			50.679			47.944			-			47.944					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																									
Initial Spares <i>(\$ in Millions)</i>					-			1.905			3.495			4.307			-			4.307					
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>					-			-			-			-			-			-					
# The FY 2015 OCO Request will be submitted at a later date.																									
Cost Elements		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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				-	-	123.971	-	-	-	8.954	-	-	-	8.779	-	-	-	9.394	-	-	-	-	-	-	9.394
Subtotal: Recurring Cost				-	-	123.971	-	-	-	8.954	-	-	-	8.779	-	-	-	9.394	-	-	-	-	-	-	9.394
Subtotal: Hardware - Systems Replacement and Modernization Cost				-	-	123.971	-	-	-	8.954	-	-	-	8.779	-	-	-	9.394	-	-	-	-	-	-	9.394
Hardware - Ocean Systems Cost																									
Recurring Cost																									
2.1.1) SC012 OS - Ocean Systems				-	-	63.370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.1.2) SC161 OS - East Coast USWTR				-	-	37.240	-	-	-	21.484	-	-	-	17.133	-	-	-	16.694	-	-	-	-	-	-	16.694
Subtotal: Recurring Cost				-	-	100.610	-	-	-	21.484	-	-	-	17.133	-	-	-	16.694	-	-	-	-	-	-	16.694
Subtotal: Hardware - Ocean Systems Cost				-	-	100.610	-	-	-	21.484	-	-	-	17.133	-	-	-	16.694	-	-	-	-	-	-	16.694
Hardware - Tactical Combat Training System Cost																									
Recurring Cost																									
3.1.1) SC039 TCTS - Transportable Ground Subsystem				-	-	0.761	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.1.2) SC138 TCTS - Portable Ground Subsystem				-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



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<b>Exhibit P-5, Cost Analysis: PB 2015 Navy</b>																<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4204 / Weapons Range Support Equipment								<b>Item Number / Title [DODIC]:</b> 1 / Weapons Range Support Equipment			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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)
3.1.3) SC140 TCTS - Remote Range Unit		-	-	-	145,000.00	1	0.145	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	0.761	-	-	0.145	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Tactical Combat Training System Cost</i>		-	-	0.761	-	-	0.145	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Electronic Warfare Training Equipment Cost																			
Recurring Cost																			
4.1.1) SC105 EW - Threat Presentation		-	-	41.745	-	-	10.218	-	-	10.759	-	-	9.172	-	-	-	-	-	9.172
<i>Subtotal: Recurring Cost</i>		-	-	41.745	-	-	10.218	-	-	10.759	-	-	9.172	-	-	-	-	-	9.172
<i>Subtotal: Hardware - Electronic Warfare Training Equipment Cost</i>		-	-	41.745	-	-	10.218	-	-	10.759	-	-	9.172	-	-	-	-	-	9.172
Hardware - Moving Land Targets (PMA208) Cost																			
Recurring Cost																			
5.1.1) SC151 MLT - Moving Land Targets		541,125.00	16	8.658	94,368.42	19	1.793	129,142.86	14	1.808	133,300.00	10	1.333	-	-	-	133,300.00	10	1.333
<i>Subtotal: Recurring Cost</i>		-	-	8.658	-	-	1.793	-	-	1.808	-	-	1.333	-	-	-	-	-	1.333
<i>Subtotal: Hardware - Moving Land Targets (PMA208) Cost</i>		-	-	8.658	-	-	1.793	-	-	1.808	-	-	1.333	-	-	-	-	-	1.333
Hardware - Range Scoring Systems Cost																			
Recurring Cost																			
6.1.1) SC165 MCM - Mine Shapes		-	-	-	-	-	0.468	-	-	0.268	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	0.468	-	-	0.268	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Range Scoring Systems Cost</i>		-	-	-	-	-	0.468	-	-	0.268	-	-	-	-	-	-	-	-	-
Hardware - Congressional Adds Cost																			
Non Recurring Cost																			
7.1.1) SC711 CONG - FY13 Training Range Upgrades		-	-	-	-	-	12.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>		-	-	-	-	-	12.000	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Congressional Adds Cost</i>		-	-	-	-	-	12.000	-	-	-	-	-	-	-	-	-	-	-	-
Software - SC158 TCTS Block Upgrade Cost																			
Recurring Cost																			
8.1.1) SC158 - TCTS Block Upgrade <sup>(1)</sup>		-	-	-	-	-	-	-	-	1.950	-	-	1.241	-	-	-	-	-	1.241

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
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	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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		-	-	-	-	-	-	-	-	1.950	-	-	1.241	-	-	-	-	-	1.241
Subtotal: Software - SC158 TCTS Block Upgrade Cost		-	-	-	-	-	-	-	-	1.950	-	-	1.241	-	-	-	-	-	1.241
Support - Integrated Logistics Cost																			
9.1) SC800 SRAM		-	-	0.850	-	-	0.285	-	-	0.290	-	-	0.295	-	-	-	-	-	0.295
9.2) SC800 Ocean Systems		-	-	1.163	-	-	0.212	-	-	0.213	-	-	0.216	-	-	-	-	-	0.216
9.3) SC800 TCTS		-	-	1.188	-	-	0.376	-	-	0.195	-	-	0.195	-	-	-	-	-	0.195
9.4) SC800 EW		-	-	0.802	-	-	0.150	-	-	0.150	-	-	0.152	-	-	-	-	-	0.152
9.5) SC800 Prior Years		-	-	9.317	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Integrated Logistics Cost		-	-	13.320	-	-	1.023	-	-	0.848	-	-	0.858	-	-	-	-	-	0.858
Support - Production Support Cost																			
10.1) SC820 Ocean Systems		-	-	1.914	-	-	0.806	-	-	1.047	-	-	0.741	-	-	-	-	-	0.741
10.2) SC820 TCTS		-	-	0.285	-	-	0.220	-	-	0.230	-	-	0.235	-	-	-	-	-	0.235
10.3) SC820 EW		-	-	0.324	-	-	0.175	-	-	0.180	-	-	0.183	-	-	-	-	-	0.183
Subtotal: Support - Production Support Cost		-	-	2.523	-	-	1.201	-	-	1.457	-	-	1.159	-	-	-	-	-	1.159
Support - Production Engineering Cost																			
11.1) SC831 SRAM		-	-	3.089	-	-	0.857	-	-	1.120	-	-	1.063	-	-	-	-	-	1.063
11.2) SC831 Ocean Systems		-	-	10.773	-	-	3.246	-	-	2.546	-	-	2.689	-	-	-	-	-	2.689
11.3) SC831 TCTS		-	-	9.417	-	-	3.114	-	-	0.894	-	-	1.815	-	-	-	-	-	1.815
11.4) SC831 EW		-	-	7.763	-	-	2.269	-	-	2.249	-	-	1.313	-	-	-	-	-	1.313
11.5) SC832 MLT		-	-	0.293	-	-	0.068	-	-	0.169	-	-	0.172	-	-	-	-	-	0.172
11.6) SC831 Prior Years		-	-	58.652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Engineering Cost		-	-	89.987	-	-	9.554	-	-	6.978	-	-	7.052	-	-	-	-	-	7.052
Support - Acceptance Testing Cost																			
12.1) SC860 SRAM		-	-	0.633	-	-	0.210	-	-	0.225	-	-	0.229	-	-	-	-	-	0.229
12.2) SC860 Ocean Systems		-	-	0.448	-	-	0.112	-	-	0.474	-	-	0.482	-	-	-	-	-	0.482
12.3) SC860 TCTS		-	-	-	-	-	-	-	-	-	-	-	0.330	-	-	-	-	-	0.330
12.4) SC860 EW		-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12.5) SC860 Prior Years		-	-	3.543	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Acceptance Testing Cost		-	-	4.824	-	-	0.322	-	-	0.699	-	-	1.041	-	-	-	-	-	1.041
Gross/Weapon System Cost		-	-	386.399	-	-	67.162	-	-	50.679	-	-	47.944	-	-	-	-	-	47.944

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<b>Exhibit P-5, Cost Analysis: PB 2015 Navy</b>		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4204 / Weapons Range Support Equipment	<b>Item Number / Title [DODIC]:</b> 1 / Weapons Range Support Equipment

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**Footnotes:**

<sup>(1)</sup> These block upgrades were previously budgeted under SC920, TCTS Non-Recurring.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy	<b>Date:</b> March 2014
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	<b>P-1 Line Item Number / Title:</b> 4208 / Expeditionary Airfields
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	250.410	33.687	4.677	-	-	-	-	-	-	-	-	288.774
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	250.410	33.687	4.677	-	-	-	-	-	-	-	-	288.774
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>250.410</b>	<b>33.687</b>	<b>4.677</b>	-	-	-	-	-	-	-	-	<b>288.774</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

# The FY 2015 OCO Request will be submitted at a later date.

**Description:**

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.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - 1 / Expeditionary Airfields	P-5		-	-	250.410	-	-	33.687	-	-	4.677	-	-	-	-	-	-	-	-	-
<b>Total Gross/Weapon System Cost</b>			-	-	<b>250.410</b>	-	-	<b>33.687</b>	-	-	<b>4.677</b>	-	-	-	-	-	-	-	-	-

\*For Items, Title represents the Item Number / Title [DODIC].

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

**Justification:**

**UNCLASSIFIED**

LI 4208 - Expeditionary Airfields  
Navy

**UNCLASSIFIED**

Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
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					
Resource Summary					Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 Base		FY 2015 OCO <sup>#</sup>		FY 2015 Total		
Procurement Quantity <i>(Units in Each)</i>					-		-		-		-		-		-		-		
Gross/Weapon System Cost <i>(\$ in Millions)</i>					250.410		33.687		4.677		-		-		-		-		
Less PY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-		-		
Net Procurement (P1) <i>(\$ in Millions)</i>					250.410		33.687		4.677		-		-		-		-		
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-		-		
Total Obligation Authority <i>(\$ in Millions)</i>					250.410		33.687		4.677		-		-		-		-		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares <i>(\$ in Millions)</i>					-		-		-		-		-		-		-		
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>					-		-		-		-		-		-		-		
# The FY 2015 OCO Request will be submitted at a later date.																			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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) <sup>(1)</sup>		47,659.29	3,120	148.697	12,350.23	2,130	26.306	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) AM-2-Matting (F72)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) AM-2 Matting (F73)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) F-87 Light Weight Matting <sup>(2)</sup>		11,845.73	363	4.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) F-88 Light Weight Matting		-	-	2.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.6) AM-2 Shipping Containers <sup>(3)</sup>		6,470.59	136	0.880	10,214.29	28	0.286	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) AM-2 Accessory Packs <sup>(4)</sup>		-	-	22.492	-	-	1.346	-	-	-	-	-	-	-	-	-	-	-	-
1.1.8) Surfacing engineering change proposals		-	-	-	-	-	1.362	-	-	1.800	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	178.769	-	-	29.300	-	-	1.800	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (SE010) EAF Surfacing Equipment Cost		-	-	178.769	-	-	29.300	-	-	1.800	-	-	-	-	-	-	-	-	-
Hardware - (SE860) Acceptance Testing and Evaluation - Surfacing Cost																			
Recurring Cost																			

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<b>Exhibit P-5, Cost Analysis: PB 2015 Navy</b>																<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4208 / Expeditionary Airfields								<b>Item Number / Title [DODIC]:</b> 1 / Expeditionary Airfields			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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)
2.1.1) EAF Surfacing Equipment		-	-	2.796	-	-	1.246	-	-	0.117	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	2.796	-	-	1.246	-	-	0.117	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (SE860) Acceptance Testing and Evaluation - Surfacing Cost</i>		-	-	2.796	-	-	1.246	-	-	0.117	-	-	-	-	-	-	-	-	-
Hardware - (SE010) EAF Lighting Equipment Cost																			
Recurring Cost																			
3.1.1) Man Portable Lights <sup>(5)</sup>		-	-	36.756	-	-	0.400	-	-	-	-	-	-	-	-	-	-	-	-
3.1.2) Lighting Engineering Change Proposals <sup>(6)</sup>		-	-	-	-	-	-	-	-	0.647	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	36.756	-	-	0.400	-	-	0.647	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (SE010) EAF Lighting Equipment Cost</i>		-	-	36.756	-	-	0.400	-	-	0.647	-	-	-	-	-	-	-	-	-
Hardware - Acceptance Testing - Lighting Cost																			
Recurring Cost																			
4.1.1) EAF Lighting Equipment <sup>(7)</sup>		-	-	2.183	-	-	0.285	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	2.183	-	-	0.285	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Acceptance Testing - Lighting Cost</i>		-	-	2.183	-	-	0.285	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (SE0210) EAF Arresting Gear Cost																			
Recurring Cost																			
5.1.1) M-31 Arresting Gear		-	-	11.647	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.2) M-31 Engineering Change Proposals <sup>(8)</sup>		-	-	-	-	-	0.076	-	-	0.304	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	11.647	-	-	0.076	-	-	0.304	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (SE0210) EAF Arresting Gear Cost</i>		-	-	11.647	-	-	0.076	-	-	0.304	-	-	-	-	-	-	-	-	-
Hardware - Acceptance Testing - Arresting Gear Cost																			
Recurring Cost																			
6.1.1) EAF Arresting Gear <sup>(9)</sup>		-	-	2.103	-	-	0.025	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	2.103	-	-	0.025	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-5, Cost Analysis: PB 2015 Navy</b>																<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4208 / Expeditionary Airfields								<b>Item Number / Title [DODIC]:</b> 1 / Expeditionary Airfields			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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)
<i>Subtotal: Hardware - Acceptance Testing - Arresting Gear Cost</i>		-	-	2.103	-	-	0.025	-	-	-	-	-	-	-	-	-	-	-	-
Support - (SE800) Integrated Logistics Cost																			
7.1) EAF Surfacing Equipment		-	-	2.899	-	-	0.661	-	-	0.571	-	-	-	-	-	-	-	-	-
7.2) EAF Lighting Equipment		-	-	2.211	-	-	0.355	-	-	0.122	-	-	-	-	-	-	-	-	-
7.3) EAF Arresting Gear		-	-	2.191	-	-	0.029	-	-	0.156	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - (SE800) Integrated Logistics Cost</i>		-	-	7.301	-	-	1.045	-	-	0.849	-	-	-	-	-	-	-	-	-
Support - (SE830) Production Engineering Cost																			
8.1) EAF Surfacing Equipment		-	-	3.500	-	-	0.797	-	-	0.190	-	-	-	-	-	-	-	-	-
8.2) EAF Lighting Equipment		-	-	2.694	-	-	0.479	-	-	0.301	-	-	-	-	-	-	-	-	-
8.3) EAF Arresting Gear		-	-	2.661	-	-	0.034	-	-	0.469	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - (SE830) Production Engineering Cost</i>		-	-	8.855	-	-	1.310	-	-	0.960	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>		-	-	<b>250.410</b>	-	-	<b>33.687</b>	-	-	<b>4.677</b>	-	-	-	-	-	-	-	-	-

**Footnotes:**

- (1) Congressional action reduced FY14 Expeditionary Airfield matting excess to requirement.
- (2) Due to higher Navy priorities, funding amounts were eliminated in FY13 from element 1.1.4.
- (3) Due to higher Navy priorities, funding amounts were reduced in FY13 from element 1.1.6.
- (4) 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. Congressional action reduced FY14 Expeditionary Airfield matting excess to requirement. 1.1.7 - EAF's FY13 OCO budget was reduced due to fund higher Navy priorities (FY13 Prior Approval Reprogramming action decreasing the program by \$28.0M; approval date 5 June 13).
- (5) 3.1.1 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. Due to higher Navy priorities, funding amounts were eliminated in FY14 for 3.1.1 Man Portable Lights.
- (6) 3.1.2 Lighting Engineering Change Proposals includes nonrecurring engineering and associated testing.
- (7) Funding moved from 4.1.1 to 3.1.2 in FY14, efforts are supported under 3.1.2 Arresting Gear Engineering Change Proposals.
- (8) 5.1.2 M-31 Engineering Change Proposals includes nonrecurring engineering and associated testing.
- (9) Funding moved from 6.1.1 to 5.1.2 in FY14, efforts supported under 5.1.2 Arresting Gear Engineering Change Proposals.

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**Exhibit P-40, Budget Line Item Justification:** PB 2015 Navy **Date:** March 2014

<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	<b>P-1 Line Item Number / Title:</b> 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	-	76.683	-	76.683	107.543	124.099	126.361	128.837	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	-	76.683	-	76.683	107.543	124.099	126.361	128.837	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	0.000	-	-	76.683	-	76.683	107.543	124.099	126.361	128.837	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	1.319	-	1.319	6.764	0.367	1.146	0.690	Continuing	Continuing
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

## 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.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy										<b>Date:</b> March 2014									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment										<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment									
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B					<b>Program Elements for Code B Items:</b> 0204112N					<b>Other Related Program Elements:</b> 0604512N									

[P3A - 5 / 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.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - 1 / Expeditionary Airfields	P-5		-	-	0.000	-	-	-	-	-	-	-	-	8.423	-	-	-	-	-	8.423
Item - 2 / Acft Rearming Equip	P-5		-	-	0.000	-	-	-	-	-	-	-	-	11.836	-	-	-	-	-	11.836
Item - 3 / Air Launch & Recovery Equip	P-5		-	-	0.000	-	-	-	-	-	-	-	-	5.612	-	-	-	-	-	5.612
P-3a - 1 / ALRE - Moriah Wind System - ACS SJ263	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	0.500
P-3a - 2 / ALRE - Advanced Arresting Gear (SJ301)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	9.913	-	-	-	-	-	9.913
P-3a - 3 / ALRE - ADMACS Block Upgrade (SJ302)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	20.431	-	-	-	-	-	20.431
P-3a - 4 / ALRE - Service Life Management Plan (SJ304)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 5 / LAMPS MK III - SRQ(KU)-4 (S1010)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	19.968	-	-	-	-	-	19.968
<b>Total Gross/Weapon System Cost</b>			-	-	<b>0.000</b>	-	-	-	-	-	-	-	-	<b>76.683</b>	-	-	-	-	-	<b>76.683</b>

Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - 1 / Expeditionary Airfields	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Item - 2 / Acft Rearming Equip	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Item - 3 / Air Launch & Recovery Equip	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / ALRE - Moriah Wind System - ACS SJ263	P-3a		-	-	2.531	-	-	4.253	-	-	4.080	-	-	2.804	-	-	6.242	-	-	20.410
P-3a - 2 / ALRE - Advanced Arresting Gear (SJ301)	P-3a		-	-	5.676	-	-	1.876	-	-	1.882	-	-	1.865	-	-	89.091	-	-	110.303

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy																<b>Date:</b> March 2014					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment												<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment									
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B						<b>Program Elements for Code B Items:</b> 0204112N						<b>Other Related Program Elements:</b> 0604512N									
Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 3 / ALRE - ADMACS Block Upgrade (SJ302)	P-3a		-	-	24.992	-	-	18.282	-	-	12.928	-	-	12.173	-	-	10.018	-	-	98.824	
P-3a - 4 / ALRE - Service Life Management Plan (SJ304)	P-3a		-	-	-	-	-	15.600	-	-	19.603	-	-	41.727	-	-	111.936	-	-	188.866	
P-3a - 5 / LAMPS MK III - SRQ(KU)-4 (S1010)	P-3a		-	-	20.177	-	-	20.564	-	-	26.495	-	-	27.022	Continuing			Continuing			
<b>Total Gross/Weapon System Cost</b>			-	-	<b>107.543</b>	-	-	<b>124.099</b>	-	-	<b>126.361</b>	-	-	<b>128.837</b>	<b>Continuing</b>			<b>Continuing</b>			
<p>*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</p>																					
<p><b>Justification:</b>            The items contained within this budget line item are not new starts, but are programs transitioning from other budget line items.</p> <p>4208 Expeditionary Airfields            4214 Aircraft Rearming Equipment            4216 Aircraft Launch and Recovery Equipment            4255 LAMPS MK III Shipboard Equipment</p> <p>FY15 funds the baseline programs.</p>																					

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Exhibit P-5, Cost Analysis: PB 2015 Navy										Date: March 2014									
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									
Resource Summary		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total						
Procurement Quantity <i>(Units in Each)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Cost <i>(\$ in Millions)</i>		0.000	-	-	8.423	-	8.423	-	-	-	-	-	-						
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) <i>(\$ in Millions)</i>		0.000	-	-	8.423	-	8.423	-	-	-	-	-	-						
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority <i>(\$ in Millions)</i>		0.000	-	-	8.423	-	8.423	-	-	-	-	-	-						
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
# The FY 2015 OCO Request will be submitted at a later date.																			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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) <sup>(1)</sup>		-	-	0.000	-	-	-	-	-	-	13,837.00	73	1.010	-	-	-	13,837.00	73	1.010
1.1.2) AM-2-Matting (F72)		-	-	0.000	-	-	-	-	-	-	7,115.38	26	0.185	-	-	-	7,115.38	26	0.185
1.1.3) AM-2 Matting (F73)		-	-	0.000	-	-	-	-	-	-	13,000.00	1	0.013	-	-	-	13,000.00	1	0.013
1.1.4) F-87 Light Weight Matting		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) F-88 Light Weight Matting		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.6) AM-2 Shipping Containers		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) AM-2 Accessory Packs (1) <sup>(2)</sup>		-	-	0.000	-	-	-	-	-	-	-	-	0.556	-	-	-	-	-	0.556
1.1.8) Surfacing engineering change proposals		-	-	0.000	-	-	-	-	-	-	-	-	1.455	-	-	-	-	-	1.455
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	3.219	-	-	-	-	-	3.219
Subtotal: Hardware - (SE010) EAF Surfacing Equipment Cost		-	-	0.000	-	-	-	-	-	-	-	-	3.219	-	-	-	-	-	3.219
Hardware - (SE860) Acceptance Testing and Evaluation - Surfacing Cost																			
Recurring Cost																			

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<b>Exhibit P-5, Cost Analysis: PB 2015 Navy</b>																<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment								<b>Item Number / Title [DODIC]:</b> 1 / Expeditionary Airfields			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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)
2.1.1) EAF Surfacing Equipment		-	-	0.000	-	-	-	-	-	-	-	-	0.119	-	-	-	-	-	0.119
<i>Subtotal: Recurring Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	0.119	-	-	-	-	-	0.119
<i>Subtotal: Hardware - (SE860) Acceptance Testing and Evaluation - Surfacing Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	0.119	-	-	-	-	-	0.119
Hardware - (SE010) EAF Lighting Equipment Cost																			
Recurring Cost																			
3.1.1) Man Portable Lights		-	-	0.000	-	-	-	-	-	-	-	-	1.245	-	-	-	-	-	1.245
3.1.2) Lighting Engineering Change Proposals		-	-	0.000	-	-	-	-	-	-	-	-	1.867	-	-	-	-	-	1.867
<i>Subtotal: Recurring Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	3.112	-	-	-	-	-	3.112
<i>Subtotal: Hardware - (SE010) EAF Lighting Equipment Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	3.112	-	-	-	-	-	3.112
Hardware - Acceptance Testing - Lighting Cost																			
Recurring Cost																			
4.1.1) EAF Lighting Equipment		-	-	0.000	-	-	-	-	-	-	-	-	0.046	-	-	-	-	-	0.046
<i>Subtotal: Recurring Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	0.046	-	-	-	-	-	0.046
<i>Subtotal: Hardware - Acceptance Testing - Lighting Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	0.046	-	-	-	-	-	0.046
Hardware - (SE0210) EAF Arresting Gear Cost																			
Recurring Cost																			
5.1.1) M-31 Arresting Gear		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.2) M-31 Engineering Change Proposals		-	-	0.000	-	-	-	-	-	-	-	-	0.451	-	-	-	-	-	0.451
<i>Subtotal: Recurring Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	0.451	-	-	-	-	-	0.451
<i>Subtotal: Hardware - (SE0210) EAF Arresting Gear Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	0.451	-	-	-	-	-	0.451
Hardware - Acceptance Testing - Arresting Gear Cost																			
Recurring Cost																			
6.1.1) EAF Arresting Gear		-	-	0.000	-	-	-	-	-	-	-	-	0.029	-	-	-	-	-	0.029
<i>Subtotal: Recurring Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	0.029	-	-	-	-	-	0.029

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
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	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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 - Acceptance Testing - Arresting Gear Cost		-	-	0.000	-	-	-	-	-	-	-	-	0.029	-	-	-	-	-	0.029
Support - (SE800) Integrated Logistics Cost																			
7.1) EAF Surfacing Equipment		-	-	0.000	-	-	-	-	-	-	-	-	0.514	-	-	-	-	-	0.514
7.2) EAF Lighting Equipment		-	-	0.000	-	-	-	-	-	-	-	-	0.087	-	-	-	-	-	0.087
7.3) EAF Arresting Gear		-	-	0.000	-	-	-	-	-	-	-	-	0.161	-	-	-	-	-	0.161
Subtotal: Support - (SE800) Integrated Logistics Cost		-	-	0.000	-	-	-	-	-	-	-	-	0.762	-	-	-	-	-	0.762
Support - (SE830) Production Engineering Cost																			
8.1) EAF Surfacing Equipment		-	-	0.000	-	-	-	-	-	-	-	-	0.210	-	-	-	-	-	0.210
8.2) EAF Lighting Equipment		-	-	0.000	-	-	-	-	-	-	-	-	0.145	-	-	-	-	-	0.145
8.3) EAF Arresting Gear		-	-	0.000	-	-	-	-	-	-	-	-	0.330	-	-	-	-	-	0.330
Subtotal: Support - (SE830) Production Engineering Cost		-	-	0.000	-	-	-	-	-	-	-	-	0.685	-	-	-	-	-	0.685
Gross/Weapon System Cost		-	-	0.000	-	-	-	-	-	-	-	-	8.423	-	-	-	-	-	8.423
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) F-87 Light Weight Matting		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) F-88 Light Weight Matting		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.6) AM-2 Shipping Containers		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) AM-2 Accessory Packs (1)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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<b>Exhibit P-5, Cost Analysis: PB 2015 Navy</b>																<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment								<b>Item Number / Title [DODIC]:</b> 1 / Expeditionary Airfields			
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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)
1.1.8) Surfacing engineering change proposals		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (SE010) EAF Surfacing Equipment Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (SE860) Acceptance Testing and Evaluation - Surfacing Cost																			
Recurring Cost																			
2.1.1) EAF Surfacing Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (SE860) Acceptance Testing and Evaluation - Surfacing Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (SE010) EAF Lighting Equipment Cost																			
Recurring Cost																			
3.1.1) Man Portable Lights		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.2) Lighting Engineering Change Proposals		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (SE010) EAF Lighting Equipment Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Acceptance Testing - Lighting Cost																			
Recurring Cost																			
4.1.1) EAF Lighting Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Acceptance Testing - Lighting Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (SE0210) EAF Arresting Gear Cost																			
Recurring Cost																			
5.1.1) M-31 Arresting Gear		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.2) M-31 Engineering Change Proposals		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2015 Navy</b>															<b>Date:</b> March 2014				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment							<b>Item Number / Title [DODIC]:</b> 1 / Expeditionary Airfields				
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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)
<i>Subtotal: Hardware - (SE0210) EAF Arresting Gear Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Acceptance Testing - Arresting Gear Cost																			
Recurring Cost																			
6.1.1) EAF Arresting Gear		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Acceptance Testing - Arresting Gear Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - (SE800) Integrated Logistics Cost																			
7.1) EAF Surfacing Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2) EAF Lighting Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3) EAF Arresting Gear		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - (SE800) Integrated Logistics Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - (SE830) Production Engineering Cost																			
8.1) EAF Surfacing Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) EAF Lighting Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.3) EAF Arresting Gear		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - (SE830) Production Engineering Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Remarks:</b> 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.																			
<b>Footnotes:</b> (1) The unit cost, for AM2 Matting, as well as the total cost for AM2 accessories (cost elements 1.1.1 - 1.1.3), has not been adjusted for inflation since they are a part of a firm fixed price contract for five years. Costs will remain constant through out 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. (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.																			

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Exhibit P-5, Cost Analysis: PB 2015 Navy										Date: March 2014									
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									
Resource Summary		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total						
Procurement Quantity <i>(Units in Each)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Cost <i>(\$ in Millions)</i>		0.000	-	-	11.836	-	11.836	-	-	-	-	-	-						
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) <i>(\$ in Millions)</i>		0.000	-	-	11.836	-	11.836	-	-	-	-	-	-						
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority <i>(\$ in Millions)</i>		0.000	-	-	11.836	-	11.836	-	-	-	-	-	-						
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
# The FY 2015 OCO Request will be submitted at a later date.																			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) SH042 - MC WEAPONS ASSEMBLY STATION (A/E32K-11 LIFTING ASSLY)		-	-	0.000	-	-	-	-	-	-	416,000.00	3	1.248	-	-	-	416,000.00	3	1.248
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	1.248	-	-	-	-	-	1.248
Subtotal: Hardware - HARDWARE - Ordnance Assembly Cost		-	-	0.000	-	-	-	-	-	-	-	-	1.248	-	-	-	-	-	1.248
Hardware - HARDWARE - Ordnance Transport Cost																			
Recurring Cost																			
2.1.1) SH036 - A/ M32K-4A MUN TRLR REPLACEMENT - (A/ M32K-10 MUN TRLR) (3)		-	-	0.000	-	-	-	-	-	-	53,472.73	110	5.882	-	-	-	53,472.73	110	5.882
2.1.2) SH039 - A/M32U-21 ORDNANCE TRAILER		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.3) SH040 - LGB WEAPONS		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2015 Navy</b>																<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment								<b>Item Number / Title [DODIC]:</b> 2 / Acft Rearming Equip			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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)
ADAPTER - (ADU-895/E LGB)																			
2.1.4) SH043 - MHU-191/M CILOP - MHU-191A/M MUN TRANSPORTER		-	-	0.000	-	-	-	-	-	-	6,000.00	193	1.158	-	-	-	6,000.00	193	1.158
2.1.5) SH044 - A/ F48T-6 OHE TEST STAND CILOP		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.6) SH045 - MHU-126/202 TRLR REPLACEMENT - (MHU-230/M) <sup>(4)</sup>		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	7.040	-	-	-	-	-	7.040
<i>Subtotal: Hardware - HARDWARE - Ordnance Transport Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	7.040	-	-	-	-	-	7.040
Hardware - HARDWARE - Ordnance Loading Cost																			
Recurring Cost																			
3.1.1) SH037 - NEXT GENERATION HANDLER (SHIP) - ADU-901/E GHE ADAPTER <sup>(5)</sup>		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.2) SH038 - LALS POWER DRIVE TOOL		-	-	0.000	-	-	-	-	-	-	750,000.00	2	1.500	-	-	-	750,000.00	2	1.500
3.1.3) SH046 - A/S32K-1E WEAPONS LOADER REPLACEMENT		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	1.500	-	-	-	-	-	1.500
<i>Subtotal: Hardware - HARDWARE - Ordnance Loading Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	1.500	-	-	-	-	-	1.500
Hardware - SH920 NON-RECURRING Cost																			
Non Recurring Cost																			
4.1.1) Non-Recurring Prior Years		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.2) Ordnance Assembly		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.3) Ordnance Transport		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.4) Ordnance Loading		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2015 Navy</b>																<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment								<b>Item Number / Title [DODIC]:</b> 2 / Acft Rearming Equip			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal: Non Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SH920 NON-RECURRING Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SH010 ECP Cost																			
Recurring Cost																			
5.1.1) ECP Prior Years		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.2) Ordnance Assembly ECP		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.3) Ordnance Transport ECP		-	-	0.000	-	-	-	-	-	-	-	-	0.132	-	-	-	-	-	0.132
5.1.4) Ordnance Loading ECP		-	-	0.000	-	-	-	-	-	-	-	-	0.187	-	-	-	-	-	0.187
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	0.319	-	-	-	-	-	0.319
Subtotal: Hardware - SH010 ECP Cost		-	-	0.000	-	-	-	-	-	-	-	-	0.319	-	-	-	-	-	0.319
Hardware - SH860 Acceptance Test & Eval Cost																			
Recurring Cost																			
6.1.1) Ordnance Assembly Acceptance Testing		-	-	0.000	-	-	-	-	-	-	-	-	0.148	-	-	-	-	-	0.148
6.1.2) Ordnance Transport Acceptance Testing		-	-	0.000	-	-	-	-	-	-	-	-	0.171	-	-	-	-	-	0.171
6.1.3) Ordnance Loading Acceptance Testing		-	-	0.000	-	-	-	-	-	-	-	-	0.158	-	-	-	-	-	0.158
6.1.4) Acceptance Test & Eval Prior Years		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	0.477	-	-	-	-	-	0.477
Subtotal: Hardware - SH860 Acceptance Test & Eval Cost		-	-	0.000	-	-	-	-	-	-	-	-	0.477	-	-	-	-	-	0.477
Support - SH800 ILS Cost																			
7.1) ILS Prior Years		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2) Ordnance Assembly		-	-	0.000	-	-	-	-	-	-	-	-	0.175	-	-	-	-	-	0.175
7.3) Ordnance Transport		-	-	0.000	-	-	-	-	-	-	-	-	0.197	-	-	-	-	-	0.197
7.4) Ordnance Loading		-	-	0.000	-	-	-	-	-	-	-	-	0.184	-	-	-	-	-	0.184
Subtotal: Support - SH800 ILS Cost		-	-	0.000	-	-	-	-	-	-	-	-	0.556	-	-	-	-	-	0.556
Support - SH830 Production Engineering Cost																			

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
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	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
8.1) Production Engineering Prior Years		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) Ordnance Assembly PE		-	-	0.000	-	-	-	-	-	-	-	-	0.226	-	-	-	-	-	0.226
8.3) Ordnance Transport PE		-	-	0.000	-	-	-	-	-	-	-	-	0.273	-	-	-	-	-	0.273
8.4) Ordnance Loading PE		-	-	0.000	-	-	-	-	-	-	-	-	0.197	-	-	-	-	-	0.197
Subtotal: Support - SH830 Production Engineering Cost		-	-	0.000	-	-	-	-	-	-	-	-	0.696	-	-	-	-	-	0.696
Gross/Weapon System Cost		-	-	0.000	-	-	-	-	-	-	-	-	11.836	-	-	-	-	-	11.836
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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) SH000 - Prior Years (Various Hardware Items)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) SH042 - MC WEAPONS ASSEMBLY STATION (A/E32K-11 LIFTING ASSLY)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - HARDWARE - Ordnance Assembly Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - HARDWARE - Ordnance Transport Cost																			
Recurring Cost																			
2.1.1) SH036 - A/ M32K-4A MUN TRLR REPLACEMENT - (A/ M32K-10 MUN TRLR)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.2) SH039 - A/M32U-21 ORDNANCE TRAILER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.3) SH040 - LGB WEAPONS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
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	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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)
ADAPTER - (ADU-895/E LGB)																			
2.1.4) SH043 - MHU-191/M CILOP - MHU-191A/M MUN TRANSPORTER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.5) SH044 - A/ F48T-6 OHE TEST STAND CILOP		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.6) SH045 - MHU-126/202 TRLR REPLACEMENT - (MHU-230/M)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - HARDWARE - Ordnance Transport Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - HARDWARE - Ordnance Loading Cost																			
Recurring Cost																			
3.1.1) SH037 - NEXT GENERATION HANDLER (SHIP) - ADU-901/E GHE ADAPTER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.2) SH038 - LALS POWER DRIVE TOOL		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.3) SH046 - A/S32K-1E WEAPONS LOADER REPLACEMENT		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - HARDWARE - Ordnance Loading Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SH920 NON-RECURRING Cost																			
Non Recurring Cost																			
4.1.1) Non-Recurring Prior Years		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.2) Ordnance Assembly		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.3) Ordnance Transport		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.4) Ordnance Loading		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2015 Navy</b>															<b>Date:</b> March 2014				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment							<b>Item Number / Title [DODIC]:</b> 2 / Acft Rearming Equip				
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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: Non Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SH920 NON-RECURRING Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SH010 ECP Cost																			
Recurring Cost																			
5.1.1) ECP Prior Years		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.2) Ordnance Assembly ECP		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.4) Acceptance Test & Eval Prior Years		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SH860 Acceptance Test & Eval Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SH800 ILS Cost																			
7.1) ILS Prior Years		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2) Ordnance Assembly		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3) Ordnance Transport		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.4) Ordnance Loading		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SH800 ILS Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SH830 Production Engineering Cost																			



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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
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	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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)
8.1) Production Engineering Prior Years		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Footnotes:**

- <sup>(3)</sup> (SH036) A/M32K-10 Munitions Trailers quantity increased in FY15 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.
- <sup>(4)</sup> (SH045) MHU-126/202 TRLR REPLACEMENT - funding for FY15 moved to cost code SH036 to support the urgent requirement.
- <sup>(5)</sup> Funding in FY15 has been moved to cost code SH036.

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Exhibit P-5, Cost Analysis: PB 2015 Navy										Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Number / Title:						Item Number / Title [DODIC]:									
1810N / 03 / 3				4213 / Aircraft Support Equipment						3 / Air Launch & Recovery Equip									
Resource Summary		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total						
Procurement Quantity <i>(Units in Each)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Cost <i>(\$ in Millions)</i>		0.000	-	-	5.612	-	5.612	-	-	-	-	-	-						
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) <i>(\$ in Millions)</i>		0.000	-	-	5.612	-	5.612	-	-	-	-	-	-						
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority <i>(\$ in Millions)</i>		0.000	-	-	5.612	-	5.612	-	-	-	-	-	-						
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
# The FY 2015 OCO Request will be submitted at a later date.																			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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		-	-	0.000	-	-	-	-	-	-	-	-	0.225	-	-	-	-	-	0.225
1.1.2) Visual Landing Aids		-	-	0.000	-	-	-	-	-	-	-	-	0.757	-	-	-	-	-	0.757
1.1.3) Launcher		-	-	0.000	-	-	-	-	-	-	-	-	0.025	-	-	-	-	-	0.025
1.1.4) Recovery		-	-	0.000	-	-	-	-	-	-	-	-	0.606	-	-	-	-	-	0.606
1.1.5) Recurring Engineering Support		-	-	0.000	-	-	-	-	-	-	-	-	0.315	-	-	-	-	-	0.315
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	1.928	-	-	-	-	-	1.928
Subtotal: Hardware - SJ040 - Service Change Kits Cost		-	-	0.000	-	-	-	-	-	-	-	-	1.928	-	-	-	-	-	1.928
Hardware - SJ261 - MWS Cost																			
Recurring Cost																			
2.1.1) MWS - L Class		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ261 - MWS Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SJ281 - ARC Cost																			
Recurring Cost																			
3.1.1) ARC Shorebased		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2015 Navy													Date: March 2014						
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						
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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 - SJ281 - ARC Cost																			
Hardware - SJ860 - Acceptance Testing Cost																			
Recurring Cost																			
4.1.1) Recovery (SJ860)			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ860 - Acceptance Testing Cost			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Prior years Cost																			
Non Recurring Cost																			
5.1.1) Prior Years			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Prior years Cost			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ800 - Integrated Logistics Cost																			
6.1) Information Systems			-	-	0.000	-	-	-	-	-	-	-	0.086	-	-	-	-	-	0.086
6.2) Visual Landing Aids			-	-	0.000	-	-	-	-	-	-	-	0.280	-	-	-	-	-	0.280
6.3) Launcher			-	-	0.000	-	-	-	-	-	-	-	0.232	-	-	-	-	-	0.232
6.4) Recovery			-	-	0.000	-	-	-	-	-	-	-	0.141	-	-	-	-	-	0.141
6.5) Service Change Kits			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.6) MWS (L Class)			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.7) ARC Shorebased			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ800 - Integrated Logistics Cost			-	-	0.000	-	-	-	-	-	-	-	0.739	-	-	-	-	-	0.739
Support - SJ830 - Production Engineering Cost																			
7.1) Information Systems			-	-	0.000	-	-	-	-	-	-	-	0.352	-	-	-	-	-	0.352
7.2) Visual Landing Aids			-	-	0.000	-	-	-	-	-	-	-	0.359	-	-	-	-	-	0.359
7.3) Launcher			-	-	0.000	-	-	-	-	-	-	-	0.239	-	-	-	-	-	0.239
7.4) Recovery			-	-	0.000	-	-	-	-	-	-	-	0.416	-	-	-	-	-	0.416
7.5) Service Change Kits			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.6) MWS (L Class)			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ830 - Production Engineering Cost			-	-	0.000	-	-	-	-	-	-	-	1.366	-	-	-	-	-	1.366
Support - SJ900 - Installation -NonFMP Cost																			
8.1) Installation - Non FMP			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) Information Systems			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity:							P-1 Line Item Number / Title:							Item Number / Title [DODIC]:					
1810N / 03 / 3							4213 / Aircraft Support Equipment							3 / Air Launch & Recovery Equip					
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
8.3) Visual Landing Aids		-	-	0.000	-	-	-	-	-	-	-	-	0.037	-	-	-	-	-	0.037
8.4) Launcher		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.5) Recovery		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ900 - Installation -NonFMP Cost		-	-	0.000	-	-	-	-	-	-	-	-	0.037	-	-	-	-	-	0.037
Support - SJ910 - Installation -FMP Cost																			
9.1) Installation - FMP		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.2) Information Systems		-	-	0.000	-	-	-	-	-	-	-	-	1.222	-	-	-	-	-	1.222
9.3) Visual Landing Aids		-	-	0.000	-	-	-	-	-	-	-	-	0.320	-	-	-	-	-	0.320
9.4) Launcher <sup>(6)</sup>		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.5) Recovery		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.6) MWS (L Class) <sup>(7)</sup>		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ910 - Installation -FMP Cost		-	-	0.000	-	-	-	-	-	-	-	-	1.542	-	-	-	-	-	1.542
Gross/Weapon System Cost		-	-	0.000	-	-	-	-	-	-	-	-	5.612	-	-	-	-	-	5.612
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ040 - Service Change Kits Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SJ261 - MWS Cost																			
Recurring Cost																			
2.1.1) MWS - L Class		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy													Date: March 2014						
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						
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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 - SJ261 - MWS Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SJ281 - ARC Cost																			
Recurring Cost																			
3.1.1) ARC Shorebased		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ281 - ARC Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SJ860 - Acceptance Testing Cost																			
Recurring Cost																			
4.1.1) Recovery (SJ860)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ860 - Acceptance Testing Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Prior years Cost																			
Non Recurring Cost																			
5.1.1) Prior Years		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Prior years 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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.6) MWS (L Class)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.7) ARC Shorebased		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ800 - Integrated Logistics Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ830 - Production Engineering Cost																			
7.1) Information Systems		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2) Visual Landing Aids		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3) Launcher		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.4) Recovery		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.5) Service Change Kits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.6) MWS (L Class)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
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					
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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: Support - SJ830 - Production Engineering Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ900 - Installation -NonFMP Cost																			
8.1) Installation - Non FMP		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) Information Systems		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.6) MWS (L Class)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ910 - Installation -FMP Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks:																			
[Hardware] The quantities/funding shown are combinations of several planned hardware upgrades to a variety of Aircraft Launch and Recovery Systems, which include various unit costs/quantities for differing fiscal years.																			
[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:																			
(6) Launcher line item was added to provide more fidelity associated with quantities and unit costs associated with each of the commodities associated with Air Launch and Recovery Equipment program.																			
(7) Moriah (L Class) line item was added to provide more fidelity associated with quantities and unit costs associated with each of the commodities associated with Air Launch and Recovery Equipment program.																			

**Remarks:**  
 [Hardware] The quantities/funding shown are combinations of several planned hardware upgrades to a variety of Aircraft Launch and Recovery Systems, which include various unit costs/quantities for differing fiscal years.

[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:**  
 (6) Launcher line item was added to provide more fidelity associated with quantities and unit costs associated with each of the commodities associated with Air Launch and Recovery Equipment program.  
 (7) Moriah (L Class) line item was added to provide more fidelity associated with quantities and unit costs associated with each of the commodities associated with Air Launch and Recovery Equipment program.

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<b>Exhibit P-3a, Individual Modification: PB 2015 Navy</b>		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment	<b>Modification Number / Title:</b> 1 / ALRE - Moriah Wind System - ACS SJ263

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO<sup>#</sup></b>	<b>FY 2015 Total</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	-	0.500	-	0.500	2.531	4.253	4.080	2.804	6.242	20.410
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	-	0.500	-	0.500	2.531	4.253	4.080	2.804	6.242	20.410
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>0.500</b>	<b>-</b>	<b>0.500</b>	<b>2.531</b>	<b>4.253</b>	<b>4.080</b>	<b>2.804</b>	<b>6.242</b>	<b>20.410</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

**Description:**

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, weapons employment and firefighting. The MWS replaces the current Type F Wind Measuring and Indicating System, providing a single wind measuring system, consistent across all ship classes and shore stations. 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.

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

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3				P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment				Modification Number / Title: 1 / ALRE - Moriah Wind System - ACS SJ263					
Models of Systems Affected: Air Capable Ships				Modification Type: Increase Capability				Related RDT&E PEs: 0604512N					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 - Moriah Wind System - ACS SJ263													
B Kits													
Recurring													
2.1.1) Installation Kits - NonOrganic <sup>(8)</sup>													
2 / 0.000 - / - - / - - / - - / - 3 / 1.786 3 / 1.767 3 / 1.827 1 / 0.676 3 / 1.896 15 / 7.952													
Subtotal: Recurring													
- / 0.000 - / - - / - - / - - / - - / - - / 1.786 - / 1.767 - / 1.827 - / 0.676 - / 1.896 - / 7.952													
Non-Recurring													
2.2.2) Equipment NRE - NonOrganic <sup>(9)</sup>													
- / - - / - - / - - / 0.500 - / - - / 0.500 - / - - / - - / - - / - - / - - / - - / 0.500													
Subtotal: Non-Recurring													
- / 0.000 - / - - / - - / 0.500 - / - - / 0.500 - / - - / - - / - - / - - / - - / 0.500													
Subtotal: ALRE - Moriah Wind System - ACS SJ263													
2 / 0.000 - / - - / - - / 0.500 - / - - / 0.500 3 / 1.786 3 / 1.767 3 / 1.827 1 / 0.676 3 / 1.896 15 / 8.452													
Subtotal: Procurement, All Modification Items													
- / 0.000 - / - - / - - / 0.500 - / - - / 0.500 - / 1.786 - / 1.767 - / 1.827 - / 0.676 - / 1.896 - / 8.452													
Support (All Modification Items)													
3.1) ILS													
- / 0.000 - / - - / - - / - - / - - / - - / 0.150 - / 0.095 - / 0.095 - / 0.069 - / 0.140 - / 0.549													
3.2) PE													
- / 0.000 - / - - / - - / - - / - - / - - / 0.595 - / 0.615 - / 0.391 - / 0.275 - / 0.275 - / 2.151													
3.3) Other													
- / 0.000 - / - - / - - / - - / - - / - - / - - / - - / - - / - - / -													
3.4) Interim Contractor Support													
- / 0.000 - / - - / - - / - - / - - / - - / - - / - - / - - / - - / -													
Subtotal: Support													
- / 0.000 - / - - / - - / - - / - / - - / 0.745 - / 0.710 - / 0.486 - / 0.344 - / 0.415 - / 2.700													
Installation													
Modification Item 1 of 1: ALRE - Moriah Wind System - ACS SJ263													
- / 0.000 - / - - / - - / - - / - / - - / - - / 1.776 - / 1.767 - / 1.784 - / 3.931 - / 9.258													
Subtotal: Installation													
- / 0.000 - / - - / - - / - - / - / - - / 1.776 - / 1.767 - / 1.784 - / 3.931 - / 9.258													
Total													
Total Cost (Procurement + Support + Installation)													
0.000 - - 0.500 - 0.500 2.531 4.253 4.080 2.804 6.242 20.410													



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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment	<b>Modification Number / Title:</b> 1 / ALRE - Moriah Wind System - ACS SJ263

**Modification Item 1 of 1:** ALRE - Moriah Wind System - ACS SJ263

**Modification Item MDAP/MAIS Code:**

**Manufacturer Information**

Manufacturer Name: Quality Performance Inc

Manufacturer Location: >Fredericksburg, VA

Administrative Leadtime (*in Months*): 3

Production Leadtime (*in Months*): 12

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

**Installation Information**

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.318	2 / 1.318
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.776	- / -	- / -	- / -	3 / 1.776
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.767	- / -	- / -	3 / 1.767
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.784	- / -	3 / 1.784
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.636	1 / 0.636
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.977	3 / 1.977
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.776	3 / 1.767	3 / 1.784	6 / 3.931	15 / 9.258

**Installation Schedule**

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				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	-	-	-	3	-	-	-	6	15	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	3	-	-	-	3	6	15	

**Footnotes:**

<sup>(8)</sup> Procurement of MWS for other Air Capable Ships will continue and are funded in other Navy accounts, there are no production breaks. Total planned procurements have been reduced from 126 at PB14 to 16 at PB15 (3 in BLI 4216 and 13 in BLI 4213) due to the realignment of MWS procurements for other Air Capable Ships to other Navy accounts. LI 4213 ACS SJ263 reflects MWS procurement for LPD17 and LSD41 class ships only. 2 Kits procured in prior years were procured under BLI 4216. Current system demands require kit quantities in order to accurately reflect outyear Installation costs.

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment	<b>Modification Number / Title:</b> 1 / ALRE - Moriah Wind System - ACS SJ263

(9) Funds in FY15 include storage and handling costs of the systems, certifications, support for hardware issues (i.e. arrived damaged) and for documentation updates of the Moriah installation baseline, as well as costs for drawing development, technical support to the installing activity and performing System Operational Verification Test (SOVT) when the installation is complete.

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment	<b>Modification Number / Title:</b> 2 / ALRE - Advanced Arresting Gear (SJ301)

<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO<sup>#</sup></b>	<b>FY 2015 Total</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	-	9.913	-	9.913	5.676	1.876	1.882	1.865	89.091	110.303
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	-	9.913	-	9.913	5.676	1.876	1.882	1.865	89.091	110.303
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>9.913</b>	<b>-</b>	<b>9.913</b>	<b>5.676</b>	<b>1.876</b>	<b>1.882</b>	<b>1.865</b>	<b>89.091</b>	<b>110.303</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

**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).

**UNCLASSIFIED**

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3				P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment				Modification Number / Title: 2 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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												
2.1.1) Installation Kits - NonOrganic <sup>(10)</sup>	- / -	1 / -	- / -	1 / 3.754	- / -	1 / 3.754	1 / 2.078	- / -	- / -	- / -	1 / 72.183	4 / 78.015
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 3.754	- / -	- / 3.754	- / 2.078	- / -	- / -	- / -	- / 72.183	- / 78.015
Non-Recurring												
2.2.7) Data - Organic <sup>(11)</sup>	- / -	- / -	- / -	- / 0.712	- / -	- / 0.712	- / 1.721	- / -	- / -	- / -	- / -	- / 2.433
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / 0.712	- / -	- / 0.712	- / 1.721	- / -	- / -	- / -	- / -	- / 2.433
Subtotal: ALRE - Advanced Arresting Gear (SJ301)	- / -	1 / -	- / -	1 / 4.466	- / -	1 / 4.466	1 / 3.799	- / -	- / -	- / -	1 / 72.183	4 / 80.448
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 4.466	- / -	- / 4.466	- / 3.799	- / -	- / -	- / -	- / 72.183	- / 80.448
Support (All Modification Items)												
3.1) ILS	- / -	- / -	- / -	- / 0.189	- / -	- / 0.189	- / 0.523	- / 0.242	- / 0.462	- / 0.562	- / 1.747	- / 3.725
3.2) PE	- / -	- / -	- / -	- / 0.556	- / -	- / 0.556	- / 1.354	- / 0.707	- / 1.103	- / 1.303	- / 7.157	- / 12.180
3.3) Other	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Support	- / 0.000	- / -	- / -	- / 0.745	- / -	- / 0.745	- / 1.877	- / 0.949	- / 1.565	- / 1.865	- / 8.904	- / 15.905
Installation												
Modification Item 1 of 1: ALRE - Advanced Arresting Gear (SJ301)	- / 0.000	- / -	- / -	- / 4.702	- / -	- / 4.702	- / -	- / 0.927	- / 0.317	- / -	- / 8.004	- / 13.950
Subtotal: Installation	- / 0.000	- / -	- / -	- / 4.702	- / -	- / 4.702	- / -	- / 0.927	- / 0.317	- / -	- / 8.004	- / 13.950
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	9.913	-	9.913	5.676	1.876	1.882	1.865	89.091	110.303

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment	<b>Modification Number / Title:</b> 2 / ALRE - Advanced Arresting Gear (SJ301)

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

**Modification Item MDAP/MAIS Code:**

**Manufacturer Information**

Manufacturer Name: General Atomics				Manufacturer Location: >San Diego, CA			
Administrative Leadtime (in Months): 8				Production Leadtime (in Months): 18			
<b>Dates</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>
Contract Dates			May 2015				
Delivery Dates			Nov 2016				

**Installation Information**

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013	- / -	- / -	- / -	1 / 4.702	- / -	1 / 4.702	- / -	- / -	- / -	- / -	- / -	1 / 4.702
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.927	- / -	- / -	- / -	1 / 0.927
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.317	- / -	- / -	1 / 0.317
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 8.004	1 / 8.004
Total	- / -	- / -	- / -	1 / 4.702	- / -	1 / 4.702	- / -	1 / 0.927	1 / 0.317	- / -	1 / 8.004	4 / 13.950

**Installation Schedule**

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	1	4
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	1	4

**Footnotes:**

<sup>(10)</sup> FY15 Installation cost is for the Land Based test unit funded in FY13 under Aircraft Support Equipment (BLI 4216). The procurement in FY15 is a modification kit to bring the existing single wire system at the RALS up to the final shipboard configuration of the CVN78. Contract dates and production lead time varies for FY15 procurement due to varying contract vehicles, production lead times, system configurations and to deconflict with ship production units (SCN funded).

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment	<b>Modification Number / Title:</b> 2 / ALRE - Advanced Arresting Gear (SJ301)

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

## UNCLASSIFIED

<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment	<b>Modification Number / Title:</b> 3 / ALRE - ADMACS Block Upgrade (SJ302)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	-	20.431	-	20.431	24.992	18.282	12.928	12.173	10.018	98.824
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	-	20.431	-	20.431	24.992	18.282	12.928	12.173	10.018	98.824
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>20.431</b>	<b>-</b>	<b>20.431</b>	<b>24.992</b>	<b>18.282</b>	<b>12.928</b>	<b>12.173</b>	<b>10.018</b>	<b>98.824</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

**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).

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3				P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment				Modification Number / Title: 3 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 - ADMACS Block Upgrade (SJ302)												
B Kits												
Recurring												
2.1.1) Installation Kits - NonOrganic <sup>(12)</sup> - / - - / - - / - 2 / 1.685 - / - 2 / 1.685 2 / 8.027 1 / 0.441 - / - - / - - / - 5 / 10.153												
2.1.2) Hardware Obsolescence ECPs - Organic <sup>(13)</sup> - / - - / - - / - - / 2.963 - / - - / 2.963 - / 3.413 - / 2.204 - / 2.736 - / 2.736 - / 2.632 - / 16.684												
2.1.3) Software Cyber Security - Organic <sup>(14)</sup> - / - - / - - / - - / 2.438 - / - - / 2.438 - / 4.187 - / 1.932 - / 2.397 - / 2.397 - / 3.885 - / 17.236												
2.1.4) Systems Integration and Installation - Organic <sup>(15)</sup> - / - - / - - / - - / 1.010 - / - - / 1.010 - / 1.445 - / 1.284 - / 1.594 - / 1.594 - / 1.015 - / 7.942												
Subtotal: Recurring - / 0.000 - / - - / - - / 8.096 - / - - / 8.096 - / 17.072 - / 5.861 - / 6.727 - / 6.727 - / 7.532 - / 52.015												
Subtotal: ALRE - ADMACS Block Upgrade (SJ302) - / - - / - - / - 2 / 8.096 - / - 2 / 8.096 2 / 17.072 1 / 5.861 - / 6.727 - / 6.727 - / 7.532 5 / 52.015												
Subtotal: Procurement, All Modification Items - / 0.000 - / - - / - - / 8.096 - / - - / 8.096 - / 17.072 - / 5.861 - / 6.727 - / 6.727 - / 7.532 - / 52.015												
Support (All Modification Items)												
3.1) ILS - / - - / - - / - - / 0.525 - / - - / 0.525 - / 1.720 - / 1.450 - / 1.230 - / 1.230 - / 1.140 - / 7.295												
3.2) PE - / - - / - - / - - / 2.280 - / - - / 2.280 - / 3.343 - / 2.983 - / 3.891 - / 4.186 - / 1.346 - / 18.029												
3.3) Other - / 0.000 - / - - / - - / - - / - - / - - / - - / - - / - - / - -												
3.4) Interim Contractor Support - / 0.000 - / - - / - - / - - / - - / - - / - - / - - / - - / - - / - -												
Subtotal: Support - / 0.000 - / - - / - - / 2.805 - / - - / 2.805 - / 5.063 - / 4.433 - / 5.121 - / 5.416 - / 2.486 - / 25.324												
Installation												
Modification Item 1 of 1: ALRE - ADMACS Block Upgrade (SJ302) - / 0.000 - / - - / - - / 9.530 - / - - / 9.530 - / 2.857 - / 7.988 - / 1.080 - / 0.030 - / - - / 21.485												
Subtotal: Installation - / 0.000 - / - - / - - / 9.530 - / - - / 9.530 - / 2.857 - / 7.988 - / 1.080 - / 0.030 - / - - / 21.485												
Total												
Total Cost (Procurement + Support + Installation) 0.000 - - 20.431 - 20.431 24.992 18.282 12.928 12.173 10.018 98.824												



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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment	<b>Modification Number / Title:</b> 3 / ALRE - ADMACS Block Upgrade (SJ302)

**Modification Item 1 of 1:** ALRE - ADMACS Block Upgrade (SJ302)

**Modification Item MDAP/MAIS Code:**

**Manufacturer Information**

Manufacturer Name: Chugaach Alaska Corp				Manufacturer Location: >Chesapeake, VA			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 9			
<b>Dates</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>
Contract Dates			Dec 2014				
Delivery Dates			Sep 2015				

**Installation Information**

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	2 / 9.530	- / -	2 / 9.530	- / -	- / -	- / -	- / -	- / -	2 / 9.530
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.857	- / -	- / -	- / -	- / -	2 / 2.857
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 7.988	- / 1.080	- / 0.030	- / -	1 / 9.098
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 9.530	- / -	2 / 9.530	2 / 2.857	1 / 7.988	- / 1.080	- / 0.030	- / -	5 / 21.485

**Installation Schedule**

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	5
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	-	-	-	1	-	-	-	-	-	-	5

**Footnotes:**

<sup>(12)</sup> 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 Upgraded 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. 3Q15 Schedule "Out" is the completion of the installation funded and initiated in 4Q14 under LI 4216.

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment	<b>Modification Number / Title:</b> 3 / ALRE - ADMACS Block Upgrade (SJ302)
<p>(13) 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.</p> <p>(14) 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.</p> <p>(15) 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.</p>		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment	<b>Modification Number / Title:</b> 4 / ALRE - Service Life Management Plan (SJ304)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	-	-	-	-	-	15.600	19.603	41.727	111.936	188.866
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	-	-	-	-	-	15.600	19.603	41.727	111.936	188.866
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>15.600</b>	<b>19.603</b>	<b>41.727</b>	<b>111.936</b>	<b>188.866</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

## Description:

The Aircraft Launch and Recovery Equipment (ALRE) Service Life Extension Program (SLEP) will provide for the organic engineering efforts, in-house government manufacturing of production hardware and installation of new kits in order to restore safety margins and correct unanticipated life-cycle deficiencies for the legacy C-13 catapult and Mark-7 (Mk-7) arresting gear. Inspections have discovered cracks on the arresting gear cross-head. There are no spare cross-heads in the inventory and the hardware dies used to manufacture new cross-heads no longer exist.

The Service Life Management Program (SLMP), currently, identifies redesigning and producing five deficient ALRE components under the SLEP including: C-13 Catapult Improved Piston Assembly Spear Re-contour, MK-7 Arresting Gear Crosshead, Mk-7 Fixed Sheave, Mk-7 Advanced Purchase Cable and Mk-7 Main Engine Cylinder.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3				P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment				Modification Number / Title: 4 / ALRE - Service Life Management Plan (SJ304)				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0604512N				
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 - Service Life Management Plan (SJ304)												
B Kits												
Recurring												
2.1.1) Installation Kits - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 15.144	30 / 18.491	39 / 24.836	24 / 11.428	109 / 69.899
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.144	- / 18.491	- / 24.836	- / 11.428	- / 69.899
Subtotal: ALRE - Service Life Management Plan (SJ304)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 15.144	30 / 18.491	39 / 24.836	24 / 11.428	109 / 69.899
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.144	- / 18.491	- / 24.836	- / 11.428	- / 69.899
Support (All Modification Items)												
3.1) ILS	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.057	- / 0.159	- / 0.167	- / 0.264	- / 0.647
3.2) PE	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.154	- / 0.707	- / 0.508	- / 0.419	- / 1.788
3.3) Other	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.4) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
3.5) ATE	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.245	- / 0.246	- / 0.232	- / 1.120	- / 1.843
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.456	- / 1.112	- / 0.907	- / 1.803	- / 4.278
Installation												
Modification Item 1 of 1: ALRE - Service Life Management Plan (SJ304)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.984	- / 98.705	- / 114.689
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.984	- / 98.705	- / 114.689
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	15.600	19.603	41.727	111.936	188.866

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment	<b>Modification Number / Title:</b> 4 / ALRE - Service Life Management Plan (SJ304)

**Modification Item 1 of 1:** ALRE - Service Life Management Plan (SJ304)

**Modification Item MDAP/MAIS Code:**

**Manufacturer Information**

Manufacturer Name: TBD				Manufacturer Location: >TBD			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 24			
<b>Dates</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>
Contract Dates							
Delivery Dates							

**Installation Information**

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 15.984	- / -	16 / 15.984
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 24.510	30 / 24.510
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	39 / 24.519	39 / 24.519
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 49.676	24 / 49.676
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 15.984	93 / 98.705	109 / 114.689

**Installation Schedule**

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	93	109	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	93	109	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment	<b>Modification Number / Title:</b> 5 / LAMPS MK III - SRQ(KU)-4 (S1010)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	-	19.968	-	19.968	20.177	20.564	26.495	27.022	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	-	19.968	-	19.968	20.177	20.564	26.495	27.022	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	0.000	-	-	19.968	-	19.968	20.177	20.564	26.495	27.022	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

**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.

Aircraft Objective Inventory is 95 kits (68 DDGs, 22 CGs & 5 Shore sites). 21 of 95 kits were procured in Prior Year and installed in Line Item 4255.

## UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3				P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment				Modification Number / Title: 5 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 <sup>(16)</sup>	11 / 0.000	4 / -	4 / -	7 / 8.818	- / -	7 / 8.818	8 / 11.402	6 / 11.851	9 / 15.816	10 / 18.158	15 / 28.025	74 / 94.070	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 8.818	- / -	- / 8.818	- / 11.402	- / 11.851	- / 15.816	- / 18.158	- / 28.025	- / 94.070	
Subtotal: LAMPS MK III - SRQ(KU)-4 (S1010)	11 / 0.000	4 / -	4 / -	7 / 8.818	- / -	7 / 8.818	8 / 11.402	6 / 11.851	9 / 15.816	10 / 18.158	15 / 28.025	74 / 94.070	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 8.818	- / -	- / 8.818	- / 11.402	- / 11.851	- / 15.816	- / 18.158	- / 28.025	- / 94.070	
Support (All Modification Items)													
2.1) Data	- / -	- / -	- / -	- / 0.453	- / -	- / 0.453	- / 1.074	- / 0.878	- / 0.702	- / 1.337	Continuing	Continuing	
2.2) Support Equipment	- / -	- / -	- / -	- / 0.429	- / -	- / 0.429	- / 0.655	- / 1.338	- / 1.997	- / 1.625	Continuing	Continuing	
2.3) ILS	- / -	- / -	- / -	- / 1.346	- / -	- / 1.346	- / 1.370	- / 1.318	- / 1.046	- / 1.128	Continuing	Continuing	
2.4) Production Engineering	- / -	- / -	- / -	- / 1.945	- / -	- / 1.945	- / 1.759	- / 1.178	- / 0.896	- / 0.810	Continuing	Continuing	
2.5) Acceptance Test & Evaluation	- / -	- / -	- / -	- / 0.062	- / -	- / 0.062	- / 0.063	- / 0.064	- / 0.065	- / 0.156	Continuing	Continuing	
2.6) GFE	- / -	- / -	- / -	- / 0.608	- / -	- / 0.608	- / 0.411	- / 0.361	- / 0.485	- / 0.327	Continuing	Continuing	
2.7) Interim Contractor Support	- / -	- / -	- / -	- / 0.447	- / -	- / 0.447	- / -	- / -	- / -	- / -	- / -	- / 0.447	
2.8) Training Equipment	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / -	- / 5.290	- / -	- / 5.290	- / 5.332	- / 5.137	- / 5.191	- / 5.383	Continuing	Continuing	
Installation													
Modification Item 1 of 1: LAMPS MK III - SRQ(KU)-4 (S1010)	- / 0.000	- / -	- / -	- / 5.860	- / -	- / 5.860	- / 3.443	- / 3.576	- / 5.488	- / 3.481	- / 30.141	- / 51.989	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 5.860	- / -	- / 5.860	- / 3.443	- / 3.576	- / 5.488	- / 3.481	- / 30.141	- / 51.989	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	19.968	-	19.968	20.177	20.564	26.495	27.022	Continuing	Continuing	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4213 / Aircraft Support Equipment	<b>Modification Number / Title:</b> 5 / LAMPS MK III - SRQ(KU)-4 (S1010)

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

**Modification Item MDAP/MAIS Code:**

**Manufacturer Information**

Manufacturer Name: L3				Manufacturer Location: >Salt Lake City, UT			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 25			
<b>Dates</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>
Contract Dates			Jun 2015				
Delivery Dates			Jul 2017				

**Installation Information**

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	- / -	- / -	- / -	11 / 5.860	- / 0.000	11 / 5.860	- / -	- / -	- / -	- / -	- / -	11 / 5.860
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.443	- / -	- / -	- / -	- / -	4 / 3.443
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.576	- / -	- / -	- / -	4 / 3.576
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 5.488	- / -	- / -	7 / 5.488
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 3.481	- / -	8 / 3.481
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 4.521	6 / 4.521
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 6.782	9 / 6.782
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 7.535	10 / 7.535
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 11.303	15 / 11.303
Total	- / -	- / -	- / -	11 / 5.860	- / -	11 / 5.860	4 / 3.443	4 / 3.576	7 / 5.488	8 / 3.481	40 / 30.141	74 / 51.989

**Installation Schedule**

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				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	3	1	1	1	1	4	-	-	-	2	2	3	-	3	3	2	-	40	74
Out	-	-	-	-	-	-	-	-	-	3	3	2	3	1	1	1	1	4	-	-	-	2	2	3	-	3	3	2	-	40	74

**Footnotes:**

<sup>(16)</sup> Notes for installation schedule: 1. Kits procured in Line Item 4255 (FY 2014 and Prior) are being installed in this 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 costs on FY 2012 and FY 2013 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



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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3	P-1 Line Item Number / Title: 4213 / Aircraft Support Equipment	Modification Number / Title: 5 / LAMPS MK III - SRQ(KU)-4 (S1010)
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. The delivery date identifies when the first SRQ-4(KU) unit is delivered shore side for installation. All units are scheduled to be installed within 12 months from the shore side delivery of the 1st unit.		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy										<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment							<b>P-1 Line Item Number / Title:</b> 4214 / Acft Rearming Equip						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B			<b>Program Elements for Code B Items:</b>					<b>Other Related Program Elements:</b>					
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO<sup>#</sup></b>	<b>FY 2015 Total</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>To Complete</b>	<b>Total</b>	
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	207.733	8.530	11.364	-	-	-	-	-	-	-	-	227.627	
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P1) ( <i>\$ in Millions</i> )	207.733	8.530	11.364	-	-	-	-	-	-	-	-	227.627	
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>207.733</b>	<b>8.530</b>	<b>11.364</b>	-	-	-	-	-	-	-	-	<b>227.627</b>	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>													
Initial Spares ( <i>\$ in Millions</i> )	-	0.057	-	-	-	-	-	-	-	-	-	0.057	
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-	
<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.													
<b>Description:</b> 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.													

Exhibits Schedule		Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total			
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - 1 / Acft Rearming Equip	P-5		-	-	207.733	-	-	8.530	-	-	11.364	-	-	-	-	-	-	-	-	-
<b>Total Gross/Weapon System Cost</b>			-	-	<b>207.733</b>	-	-	<b>8.530</b>	-	-	<b>11.364</b>	-	-	-	-	-	-	-	-	-

\*For Items, Title represents the Item Number / Title [DODIC].

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

<b>Justification:</b> FY15 program transitions to the new BLI 4213 - Aircraft Support Equipment.
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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014								
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								
Resource Summary					Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO <sup>#</sup>			FY 2015 Total		
Procurement Quantity <i>(Units in Each)</i>					-			-			-			-			-			-		
Gross/Weapon System Cost <i>(\$ in Millions)</i>					207.733			8.530			11.364			-			-			-		
Less PY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Net Procurement (P1) <i>(\$ in Millions)</i>					207.733			8.530			11.364			-			-			-		
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>					207.733			8.530			11.364			-			-			-		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																						
Initial Spares <i>(\$ in Millions)</i>					-			0.057			-			-			-			-		
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>					-			-			-			-			-			-		
# The FY 2015 OCO Request will be submitted at a later date.																						
Cost Elements		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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) <sup>(1)</sup>			1,176K	2	2.351	-	-	-	355,800.00	5	1.779	-	-	-	-	-	-	-	-			
Subtotal: Recurring Cost			-	-	120.527	-	-	-	-	-	1.779	-	-	-	-	-	-	-	-			
Subtotal: Hardware - HARDWARE - Ordnance Assembly Cost			-	-	120.527	-	-	-	-	-	1.779	-	-	-	-	-	-	-	-			
Hardware - HARDWARE - Ordnance Transport Cost																						
Recurring Cost																						
2.1.1) SH036 - A/ M32K-4A MUN TRLR REPLACEMENT - (A/ M32K-10 MUN TRLR) <sup>(2)</sup>			53,794.12	204	10.974	51,537.04	54	2.783	51,528.09	89	4.586	-	-	-	-	-	-	-	-			
2.1.2) SH039 - A/M32U-21 ORDNANCE TRAILER			714,500.00	2	1.429	135,500.00	12	1.626	-	-	-	-	-	-	-	-	-	-	-			
2.1.3) SH040 - LGB WEAPONS ADAPTER - (ADU-895/E LGB)			3,705.88	884	3.276	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

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<b>Exhibit P-5, Cost Analysis: PB 2015 Navy</b>																<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4214 / Acft Rearming Equip								<b>Item Number / Title [DODIC]:</b> 1 / Acft Rearming Equip			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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 <sup>(3)</sup>		5,290.00	100	0.529	5,393.33	150	0.809	7,590.75	281	2.133	-	-	-	-	-	-	-	-	-
2.1.5) SH044 - A/ F48T-6 OHE TEST STAND CILOP		959,000.00	1	0.959	71,250.00	4	0.285	71,166.67	6	0.427	-	-	-	-	-	-	-	-	-
2.1.6) SH045 - MHU-126/202 TRLR REPLACEMENT - (MHU-230/M) <sup>(4)</sup>		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	17.167	-	-	5.503	-	-	7.146	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - HARDWARE - Ordnance Transport Cost</i>		-	-	17.167	-	-	5.503	-	-	7.146	-	-	-	-	-	-	-	-	-
Hardware - HARDWARE - Ordnance Loading Cost																			
Recurring Cost																			
3.1.1) SH037 - NEXT GENERATION HANDLER (SHIP) - ADU-901/E GHE ADAPTER <sup>(5)</sup>		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.2) SH038 - LALS POWER DRIVE TOOL		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.3) SH046 - A/S32K-1E WEAPONS LOADER REPLACEMENT		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - HARDWARE - Ordnance Loading Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.4) Ordnance Loading		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>		-	-	1.428	-	-	-	-	-	0.110	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
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	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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 - SH920 NON-RECURRING Cost		-	-	1.428	-	-	-	-	-	0.110	-	-	-	-	-	-	-	-	-
Hardware - SH010 ECP Cost																			
Recurring Cost																			
5.1.1) ECP Prior Years		-	-	10.152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.2) Ordnance Assembly ECP		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.3) Ordnance Transport ECP		-	-	0.037	-	-	0.090	-	-	0.024	-	-	-	-	-	-	-	-	-
5.1.4) Ordnance Loading ECP		-	-	0.371	-	-	0.089	-	-	0.017	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	10.560	-	-	0.179	-	-	0.041	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SH010 ECP Cost		-	-	10.560	-	-	0.179	-	-	0.041	-	-	-	-	-	-	-	-	-
Hardware - SH860 Acceptance Test & Eval Cost																			
Recurring Cost																			
6.1.1) Ordnance Assembly Acceptance Testing		-	-	0.256	-	-	0.124	-	-	0.149	-	-	-	-	-	-	-	-	-
6.1.2) Ordnance Transport Acceptance Testing		-	-	0.640	-	-	0.324	-	-	0.226	-	-	-	-	-	-	-	-	-
6.1.3) Ordnance Loading Acceptance Testing		-	-	0.316	-	-	0.154	-	-	0.187	-	-	-	-	-	-	-	-	-
6.1.4) Acceptance Test & Eval Prior Years		-	-	8.884	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	10.096	-	-	0.602	-	-	0.562	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SH860 Acceptance Test & Eval Cost		-	-	10.096	-	-	0.602	-	-	0.562	-	-	-	-	-	-	-	-	-
Support - SH800 ILS Cost																			
7.1) ILS Prior Years		-	-	0.979	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2) Ordnance Assembly		-	-	0.246	-	-	0.227	-	-	0.175	-	-	-	-	-	-	-	-	-
7.3) Ordnance Transport		-	-	0.761	-	-	0.387	-	-	0.222	-	-	-	-	-	-	-	-	-
7.4) Ordnance Loading		-	-	0.495	-	-	0.289	-	-	0.231	-	-	-	-	-	-	-	-	-
Subtotal: Support - SH800 ILS Cost		-	-	2.481	-	-	0.903	-	-	0.628	-	-	-	-	-	-	-	-	-
Support - SH830 Production Engineering Cost																			
8.1) Production Engineering Prior Years		-	-	43.131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis:</b> PB 2015 Navy												<b>Date:</b> March 2014							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3						<b>P-1 Line Item Number / Title:</b> 4214 / Acft Rearming Equip						<b>Item Number / Title [DODIC]:</b> 1 / Acft Rearming Equip							

Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
8.2) Ordnance Assembly PE		-	-	0.559	-	-	0.424	-	-	0.332	-	-	-	-	-	-	-	-	-
8.3) Ordnance Transport PE		-	-	1.100	-	-	0.524	-	-	0.365	-	-	-	-	-	-	-	-	-
8.4) Ordnance Loading PE		-	-	0.684	-	-	0.395	-	-	0.401	-	-	-	-	-	-	-	-	-
Subtotal: Support - SH830 Production Engineering Cost		-	-	45.474	-	-	1.343	-	-	1.098	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	207.733	-	-	8.530	-	-	11.364	-	-	-	-	-	-	-	-	-

**Footnotes:**

- (1) (SH042) MC WEAPONS ASSEMBLY STATION (A/E32K-11 LIFTING ASSLY) Post government testing resulted in needed changes to drawings and product which necessitated the use of non-recurring engineering and a delay in the schedule. HQ Marine Corps reduced the total quantity of units needed.
- (2) (SH036) A/M32K-10 Munitions Trailers quantity increased FY13-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 Due to changes in contracting procedures at Fleet Readiness Center Aviation Support Equipment increase in per unit cost for labor have been incurred.
- (4) (SH045) MHU-126/202 TRLR REPLACEMENT - (MHU-230/M) requirements are still undefined, therefore procurements are now in FY18 under BLI 4213 and funding for FY13-14 moved to cost code SH036 to support the urgent requirement.
- (5) (SH037) Next Generation Munitions Handler ADU-901/E GHE ADAPTER concepts fail to safely load lower center third weapon. Without that weapon as ballast, the MHU-191/M is unstable. Decision rendered to not move forward with the program. Funding in FY13-FY14 has been moved to cost code SH036.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy	<b>Date:</b> March 2014
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	<b>P-1 Line Item Number / Title:</b> 4216 / Acft Launch & Recovery Equip
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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 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	149.488	69.312	57.502	-	-	-	-	-	-	-	-	276.302
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	149.488	69.312	57.502	-	-	-	-	-	-	-	-	276.302
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>149.488</b>	<b>69.312</b>	<b>57.502</b>	-	-	-	-	-	-	-	-	<b>276.302</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	8.101	-	-	-	-	-	-	-	-	8.101
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

# The FY 2015 OCO Request will be submitted at a later date.

**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 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.

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

Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - 1 / Air Launch & Recovery Equip	P-5		-	-	121.585	-	-	7.579	-	-	21.003	-	-	-	-	-	-	-	-	-
P-3a - 1 / Moriah Wind System - ACS SJ263	P-3a		-	-	2.334	-	-	0.600	-	-	0.620	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy																<b>Date:</b> March 2014					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment												<b>P-1 Line Item Number / Title:</b> 4216 / Acft Launch & Recovery Equip									
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>Program Elements for Code B Items:</b> 0204112N						<b>Other Related Program Elements:</b> 0604512N									

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 2 / Advanced Arresting Gear (SJ301)	P-3a		-	-	1.400	-	-	52.864	-	-	11.763	-	-	-	-	-	-	-	-	-
P-3a - 3 / ADMACS Block Upgrade (SJ302)	P-3a		-	-	24.169	-	-	8.269	-	-	24.116	-	-	-	-	-	-	-	-	-
<b>Total Gross/Weapon System Cost</b>			-	-	<b>149.488</b>	-	-	<b>69.312</b>	-	-	<b>57.502</b>	-	-	-	-	-	-	-	-	-

Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - 1 / Air Launch & Recovery Equip	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / Moriah Wind System - ACS SJ263	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.554
P-3a - 2 / Advanced Arresting Gear (SJ301)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66.027
P-3a - 3 / ADMACS Block Upgrade (SJ302)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56.554
<b>Total Gross/Weapon System Cost</b>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>276.302</b>

\*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.

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

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
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
<p>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.</p> <p>Aviation Data Management and Control System</p> <p>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 &amp; Readiness Assessment.</p> <p>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.</p>		

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Exhibit P-5, Cost Analysis: PB 2015 Navy										Date: March 2014									
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									
Resource Summary		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total						
Procurement Quantity ( <i>Units in Each</i> )		-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Cost ( <i>\$ in Millions</i> )		121.585	7.579	21.003	-	-	-	-	-	-	-	-	-						
Less PY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) ( <i>\$ in Millions</i> )		121.585	7.579	21.003	-	-	-	-	-	-	-	-	-						
Plus CY Advance Procurement ( <i>\$ in Millions</i> )		-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority ( <i>\$ in Millions</i> )		121.585	7.579	21.003	-	-	-	-	-	-	-	-	-						
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares ( <i>\$ in Millions</i> )		-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )		-	-	-	-	-	-	-	-	-	-	-	-						
# The FY 2015 OCO Request will be submitted at a later date.																			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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		-	-	0.000	-	-	-	-	-	2.220	-	-	-	-	-	-	-	-	-
1.1.2) Visual Landing Aids		-	-	4.704	-	-	0.112	-	-	2.734	-	-	-	-	-	-	-	-	-
1.1.3) Launcher		-	-	1.940	-	-	-	-	-	1.640	-	-	-	-	-	-	-	-	-
1.1.4) Recovery		-	-	3.700	-	-	0.267	-	-	2.454	-	-	-	-	-	-	-	-	-
1.1.5) Recurring Engineering Support		-	-	2.491	-	-	-	-	-	5.782	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	12.835	-	-	0.379	-	-	14.830	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ040 - Service Change Kits Cost		-	-	12.835	-	-	0.379	-	-	14.830	-	-	-	-	-	-	-	-	-
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																			
3.1.1) ARC Shorebased		-	-	4.844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	4.844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity:							P-1 Line Item Number / Title:							Item Number / Title [DODIC]:					
1810N / 03 / 3							4216 / Acft Launch & Recovery Equip							1 / Air Launch & Recovery Equip					
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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 - SJ281 - ARC Cost																			
Hardware - SJ860 - Acceptance Testing Cost																			
Recurring Cost																			
4.1.1) Recovery (SJ860)		-	-	0.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ860 - Acceptance Testing Cost		-	-	0.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Prior years Cost																			
Non Recurring Cost																			
5.1.1) Prior Years (ARC CVN)		-	-	65.959	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	65.959	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Prior years Cost		-	-	65.959	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ800 - Integrated Logistics Cost																			
6.1) Information Systems		-	-	0.000	-	-	0.034	-	-	0.076	-	-	-	-	-	-	-	-	-
6.2) Visual Landing Aids		-	-	0.000	-	-	0.503	-	-	0.260	-	-	-	-	-	-	-	-	-
6.3) Launcher		-	-	0.000	-	-	0.161	-	-	0.169	-	-	-	-	-	-	-	-	-
6.4) Recovery		-	-	0.000	-	-	0.284	-	-	0.010	-	-	-	-	-	-	-	-	-
6.5) Service Change Kits		-	-	0.216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.6) MWS (L Class)		-	-	0.961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.7) ARC Shorebased		-	-	5.220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ800 - Integrated Logistics Cost		-	-	6.397	-	-	0.982	-	-	0.515	-	-	-	-	-	-	-	-	-
Support - SJ830 - Production Engineering Cost																			
7.1) Information Systems		-	-	0.000	-	-	0.741	-	-	0.379	-	-	-	-	-	-	-	-	-
7.2) Visual Landing Aids		-	-	0.000	-	-	2.339	-	-	0.401	-	-	-	-	-	-	-	-	-
7.3) Launcher		-	-	0.000	-	-	0.374	-	-	0.385	-	-	-	-	-	-	-	-	-
7.4) Recovery		-	-	0.000	-	-	1.651	-	-	0.512	-	-	-	-	-	-	-	-	-
7.5) Service Change Kits		-	-	1.950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.6) MWS (L Class)		-	-	3.382	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ830 - Production Engineering Cost		-	-	5.332	-	-	5.105	-	-	1.677	-	-	-	-	-	-	-	-	-
Support - SJ900 - Installation -NonFMP Cost																			
8.1) Installation - Non FMP		-	-	8.636	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity:							P-1 Line Item Number / Title:							Item Number / Title [DODIC]:					
1810N / 03 / 3							4216 / Acft Launch & Recovery Equip							1 / Air Launch & Recovery Equip					
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
8.2) Information Systems		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.3) Visual Landing Aids		-	-	0.000	-	-	0.020	-	-	0.850	-	-	-	-	-	-	-	-	-
8.4) Launcher		-	-	0.000	-	-	0.080	-	-	0.040	-	-	-	-	-	-	-	-	-
8.5) Recovery		-	-	0.000	-	-	-	-	-	0.604	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ900 - Installation -NonFMP Cost		-	-	8.636	-	-	0.100	-	-	1.494	-	-	-	-	-	-	-	-	-
Support - SJ910 - Installation -FMP Cost																			
9.1) Installation - FMP		-	-	11.894	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.2) Information Systems		-	-	0.000	-	-	-	-	-	1.200	-	-	-	-	-	-	-	-	-
9.3) Visual Landing Aids		-	-	0.000	-	-	0.395	-	-	0.198	-	-	-	-	-	-	-	-	-
9.4) Launcher <sup>(1)</sup>		-	-	0.000	-	-	0.235	-	-	0.452	-	-	-	-	-	-	-	-	-
9.5) Recovery		-	-	0.000	-	-	0.383	-	-	0.637	-	-	-	-	-	-	-	-	-
9.6) MWS (L Class) <sup>(2)</sup>		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ910 - Installation -FMP Cost		-	-	11.894	-	-	1.013	-	-	2.487	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	121.585	-	-	7.579	-	-	21.003	-	-	-	-	-	-	-	-	-
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ040 - Service Change Kits Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - SJ261 - MWS Cost																			
Recurring Cost																			
2.1.1) MWS - L Class		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**UNCLASSIFIED**

Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity:							P-1 Line Item Number / Title:							Item Number / Title [DODIC]:					
1810N / 03 / 3							4216 / Acft Launch & Recovery Equip							1 / Air Launch & Recovery Equip					
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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 - SJ261 - MWS Cost																			
Hardware - SJ281 - ARC Cost																			
Recurring Cost																			
3.1.1) ARC Shorebased		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ281 - ARC Cost																			
Hardware - SJ860 - Acceptance Testing Cost																			
Recurring Cost																			
4.1.1) Recovery (SJ860)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SJ860 - Acceptance Testing Cost																			
Hardware - Prior years Cost																			
Non Recurring Cost																			
5.1.1) Prior Years (ARC CVN)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Prior years 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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.6) MWS (L Class)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.7) ARC Shorebased		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ800 - Integrated Logistics Cost																			
Support - SJ830 - Production Engineering Cost																			
7.1) Information Systems		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2) Visual Landing Aids		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3) Launcher		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.4) Recovery		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.5) Service Change Kits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2015 Navy</b>															<b>Date:</b> March 2014				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4216 / Acft Launch & Recovery Equip							<b>Item Number / Title [DODIC]:</b> 1 / Air Launch & Recovery Equip				
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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)
7.6) MWS (L Class)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ830 - Production Engineering Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - SJ900 - Installation -NonFMP Cost																			
8.1) Installation - Non FMP		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) Information Systems		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.6) MWS (L Class)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - SJ910 - Installation -FMP Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Remarks:</b> Decreases in FY13 are due to higher program priorities to realign funds to AAG to support the Land Based Test Unit (LBTU) procurement.  [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.  <b>Footnotes:</b> (1) Launcher line item was added to provide more fidelity associated with quantities and unit costs associated with each of the commodities associated with Air Launch and Recovery Equipment program. (2) Moriah (L Class) line item was added to provide more fidelity associated with quantities and unit costs associated with each of the commodities associated with Air Launch and Recovery Equipment program.																			



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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4216 / Acft Launch & Recovery Equip	<b>Modification Number / Title:</b> 1 / Moriah Wind System - ACS SJ263

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	2.334	0.600	0.620	-	-	-	-	-	-	-	-	3.554
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2.334	0.600	0.620	-	-	-	-	-	-	-	-	3.554
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2.334	0.600	0.620	-	-	-	-	-	-	-	-	3.554
(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)	-	-	-	-	-	-	-	-	-	-	-	-

<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

**Description:**

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, weapons employment and firefighting. The MWS replaces the current Type F Wind Measuring and Indicating System, providing a single wind measuring system, consistent across all ship classes and shore stations. 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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3				P-1 Line Item Number / Title: 4216 / Acft Launch & Recovery Equip				Modification Number / Title: 1 / Moriah Wind System - ACS SJ263					
Models of Systems Affected: Air Capable Ships			Modification Type: Increase Capability					Related RDT&E PEs: 0604512N					
Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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: Moriah Wind System - ACS SJ263													
B Kits													
Recurring													
2.1.1) Installation Kits - NonOrganic <sup>(3)</sup>	3 / 0.958	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.958	
Subtotal: Recurring	- / 0.958	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.958	
Non-Recurring													
2.2.2) Equipment NRE - NonOrganic <sup>(4)</sup>	- / -	- / -	- / 0.620	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.620	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 0.620	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.620	
Subtotal: Moriah Wind System - ACS SJ263	3 / 0.958	- / -	- / 0.620	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.578	
Subtotal: Procurement, All Modification Items	- / 0.958	- / -	- / 0.620	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.578	
Support (All Modification Items)													
3.1) ILS	- / 0.190	- / 0.182	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.372	
3.2) PE	- / 0.715	- / 0.418	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.133	
3.3) Other	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.905	- / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.505	
Installation													
Modification Item 1 of 1: Moriah Wind System - ACS SJ263	- / 0.471	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.471	
Subtotal: Installation	- / 0.471	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.471	
Total													
Total Cost (Procurement + Support + Installation)	2.334	0.600	0.620	-	-	-	-	-	-	-	-	3.554	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4216 / Acft Launch & Recovery Equip	<b>Modification Number / Title:</b> 1 / Moriah Wind System - ACS SJ263

**Modification Item 1 of 1:** Moriah Wind System - ACS SJ263

**Modification Item MDAP/MAIS Code:**

**Manufacturer Information**

Manufacturer Name: Quality Performance Inc

Manufacturer Location: >Fredericksburg, VA

Administrative Leadtime (*in Months*): 3

Production Leadtime (*in Months*): 12

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

**Installation Information**

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 / 0.471	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.471
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.471	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.471

**Installation Schedule**

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				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:**

(3) Procurement of MWS for other Air Capable Ships will continue and are funded in other Navy accounts, there are no production breaks. Total planned procurements have been reduced from 126 at PB14 to 16 at PB15 (3 in BLI 4216 and 13 in BLI 4213) due to the realignment of MWS procurements for other Air Capable Ships to other Navy accounts. Only 1 install in BLI 4216. Remaining 2 installs are To Complete in BLI 4213. BLI 4216 ACS SJ263 reflects MWS procurement for LPD17 and LSD41 class ships only.

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4216 / Acft Launch & Recovery Equip	<b>Modification Number / Title:</b> 1 / Moriah Wind System - ACS SJ263

(4) Funds in FY14 include storage and handling costs of the systems, certifications, support for hardware issues (i.e. arrived damaged) and for documentation updates of the Moriah installation baseline, as well as costs for drawing development, technical support to the installing activity and performing System Operational Verification Test (SOVT) when the installation is complete.

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4216 / Acft Launch & Recovery Equip	<b>Modification Number / Title:</b> 2 / Advanced Arresting Gear (SJ301)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	1.400	52.864	11.763	-	-	-	-	-	-	-	-	66.027
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	1.400	52.864	11.763	-	-	-	-	-	-	-	-	66.027
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	1.400	52.864	11.763	-	-	-	-	-	-	-	-	66.027
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

# The FY 2015 OCO Request will be submitted at a later date.

**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 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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3				P-1 Line Item Number / Title: 4216 / Acft Launch & Recovery Equip				Modification Number / Title: 2 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 <sup>(5)</sup>	- / -	1 / 51.997	- / 5.778	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 57.775	
Subtotal: Recurring	- / 0.000	- / 51.997	- / 5.778	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 57.775	
Non-Recurring													
2.2.7) Data - Organic <sup>(6)</sup>	- / -	- / -	- / 4.057	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.057	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 4.057	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.057	
Subtotal: Advanced Arresting Gear (SJ301)	- / -	1 / 51.997	- / 9.835	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 61.832	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 51.997	- / 9.835	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 61.832	
Support (All Modification Items)													
3.1) ILS	- / 0.083	- / 0.107	- / 0.507	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.697	
3.2) PE	- / 1.317	- / 0.760	- / 1.421	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.498	
3.3) Other	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 1.400	- / 0.867	- / 1.928	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.195	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	1.400	52.864	11.763	-	-	-	-	-	-	-	-	66.027	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy					<b>Date:</b> March 2014		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3			<b>P-1 Line Item Number / Title:</b> 4216 / Acft Launch & Recovery Equip			<b>Modification Number / Title:</b> 2 / Advanced Arresting Gear (SJ301)	
<b>Modification Item 1 of 1:</b> Advanced Arresting Gear (SJ301)							
<b>Modification Item MDAP/MAIS Code:</b>							
<b>Manufacturer Information</b>							
Manufacturer Name: General Atomics				Manufacturer Location: >San Diego, CA			
Administrative Leadtime ( <i>in Months</i> ): 11				Production Leadtime ( <i>in Months</i> ): 19			
<b>Dates</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>
Contract Dates	Oct 2013						
Delivery Dates	May 2015						
<b>Installation Information</b>							
<b>Method of Implementation (Organic):</b> Organic - Installation Kits					<b>Installation Quantity:</b> 1		
<p><b>Footnotes:</b></p> <p><sup>(5)</sup> Amount in FY13 reflects the final negotiated award for Advanced Arresting Gear Land Based Test Unit. 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. FY13 administrative lead time extended due to contract negotiations. Install costs for the LBTU procured in FY13 are funded under Aircraft Support Equipment (BLI 4213) Budget in FY15.</p> <p><sup>(6)</sup> Funding in FY14 is to update drawings and specifications to address deficiencies discovered during the SDD program.</p>							

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4216 / Acft Launch & Recovery Equip	<b>Modification Number / Title:</b> 3 / ADMACS Block Upgrade (SJ302)

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	24.169	8.269	24.116	-	-	-	-	-	-	-	-	56.554
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	24.169	8.269	24.116	-	-	-	-	-	-	-	-	56.554
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	24.169	8.269	24.116	-	-	-	-	-	-	-	-	56.554
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

# The FY 2015 OCO Request will be submitted at a later date.

**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.



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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3				P-1 Line Item Number / Title: 4216 / Acft Launch & Recovery Equip				Modification Number / Title: 3 / 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 <sup>(7)</sup>	4 / 9.473	- / -	1 / 4.410	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 13.883	
2.1.2) Hardware Obsolescence ECPs - Organic <sup>(8)</sup>	- / -	- / 2.048	- / 4.230	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.278	
2.1.3) Software Cyber Security - Organic <sup>(9)</sup>	- / -	- / 1.397	- / 5.698	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.095	
2.1.4) Systems Integration and Installation - Organic <sup>(10)</sup>	- / -	- / 2.122	- / 3.576	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.698	
Subtotal: Recurring	- / 9.473	- / 5.567	- / 17.914	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 32.954	
Subtotal: ADMACS Block Upgrade (SJ302)	4 / 9.473	- / 5.567	1 / 17.914	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 32.954	
Subtotal: Procurement, All Modification Items	- / 9.473	- / 5.567	- / 17.914	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 32.954	
Support (All Modification Items)													
3.1) ILS	- / 0.903	- / 0.478	- / 0.637	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.018	
3.2) PE	- / 4.320	- / 0.470	- / 4.234	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.024	
3.3) Other	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
3.4) Interim Contractor Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 5.223	- / 0.948	- / 4.871	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.042	
Installation													
Modification Item 1 of 1: ADMACS Block Upgrade (SJ302)	- / 9.473	- / 1.754	- / 1.331	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.558	
Subtotal: Installation	- / 9.473	- / 1.754	- / 1.331	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.558	
Total													
Total Cost (Procurement + Support + Installation)	24.169	8.269	24.116	-	-	-	-	-	-	-	-	56.554	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy											<b>Date:</b> March 2014																					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3											<b>P-1 Line Item Number / Title:</b> 4216 / Acft Launch & Recovery Equip											<b>Modification Number / Title:</b> 3 / ADMACS Block Upgrade (SJ302)										
<b>Modification Item 1 of 1:</b> ADMACS Block Upgrade (SJ302)																																
<b>Modification Item MDAP/MAIS Code:</b>																																
<b>Manufacturer Information</b>																																
Manufacturer Name: Chugaach Alaska Corp													Manufacturer Location: >Chesapeake, VA																			
Administrative Leadtime (in Months): 3													Production Leadtime (in Months): 9																			
<b>Dates</b>		<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>FY 2018</b>				<b>FY 2019</b>						
Contract Dates						Dec 2013																										
Delivery Dates						Sep 2014																										
<b>Installation Information</b>																																
<b>Method of Implementation:</b> Shipyard/AIT : Installation Name: Installation Kits																																
<b>Installation Cost</b>		<b>Prior Years</b>		<b>FY 2013</b>		<b>FY 2014</b>		<b>FY 2015 Base</b>		<b>FY 2015 OCO</b>		<b>FY 2015 Total</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>FY 2018</b>		<b>FY 2019</b>		<b>To Complete</b>		<b>Total</b>								
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		4 / 9.473		- / 1.754		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 11.227						
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2014		- / -		- / -		1 / 1.331		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 1.331						
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		4 / 9.473		- / 1.754		1 / 1.331		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		5 / 12.558						
<b>Installation Schedule</b>																																
	<b>PYS</b>	<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>FY 2018</b>				<b>FY 2019</b>				<b>TC</b>	<b>Tot</b>	
		<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>			
In	4	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	
Out	3	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	
<b>Footnotes:</b> <sup>(7)</sup> FY14 units costs higher than other years due to the increased 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. 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 Upgraded is the common configuration planned for all CVNs. Depending on the system (Block I, Block I/ISNS, and Block II)																																

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4216 / Acft Launch & Recovery Equip	<b>Modification Number / Title:</b> 3 / ADMACS Block Upgrade (SJ302)
<p>currently fielded, or in some cases no system fielded at all, there is wide variance in the installation costs. Installation of kit delivered in 4Q FY14 ("In") will be completed in FY15 of Aircraft Support Equipment (BLI 4213)Budget ("Out")</p> <p>(8) 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.</p> <p>(9) 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.</p> <p>(10) 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.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy								Date: March 2014				
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:				
Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	35.543	17.790	19.118	12.575	-	12.575	14.947	15.834	16.512	16.549	-	148.868
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	35.543	17.790	19.118	12.575	-	12.575	14.947	15.834	16.512	16.549	-	148.868
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	35.543	17.790	19.118	12.575	-	12.575	14.947	15.834	16.512	16.549	-	148.868
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares ( <i>\$ in Millions</i> )	-	-	0.908	0.506	-	0.506	0.614	0.605	0.721	-	-	3.354
Flyaway Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
# The FY 2015 OCO Request will be submitted at a later date.												
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 69 fielded Automated Surface Observing Systems (ASOS) and the 9 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.												

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy																<b>Date:</b> March 2014					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment												<b>P-1 Line Item Number / Title:</b> 4226 / Meteorological Equipment									
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>Program Elements for Code B Items:</b>						<b>Other Related Program Elements:</b>									
<p>[P40A / SP600 Littoral Battlespace Sensors - Unmanned Undersea Vehicles (LBS-UUV)]: Procures Unmanned Undersea Vehicle ocean sensor systems. These include 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 measure ocean volume parameters (conductivity, temperature, depth, optics, currents, etc.). These AUVs are preprogrammed with mission profiles and once launched are totally autonomous. The Ocean Gliders are controlled remotely from the Naval Oceanographic Office (NAVOCEANO) via the Glider Operations Center (GOC).</p>																					
<b>Exhibits Schedule</b>			<b>Prior Years</b>			<b>FY 2013</b>			<b>FY 2014</b>			<b>FY 2015 Base</b>			<b>FY 2015 OCO</b>			<b>FY 2015 Total</b>			
<b>Title*</b>	<b>Exhibits</b>	<b>ID CD</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	
Meteorological Equipment	P-40a		-	-	35.543	-	-	17.790	-	-	19.118	-	-	12.575	-	-	-	-	-	12.575	
<b>Total Gross/Weapon System Cost</b>			-	-	<b>35.543</b>	-	-	<b>17.790</b>	-	-	<b>19.118</b>	-	-	<b>12.575</b>	-	-	<b>-</b>	-	-	<b>12.575</b>	
<p>*For P-40as, Title represents the P40a Title.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</p>																					
<p><b>Justification:</b> The primary focus of the FY 2015 request is the LBS-UUV Program's upgrades/backfits and AUVs, the continuation of upgrades to the environmental satellite data receivers/processors, and the Meteorological and Oceanographic Surface-based Atmospheric Sensing Capability (METOC SASC) family of systems.</p>																					

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy																Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3									P-1 Line Item Number / Title: 4226 / Meteorological Equipment							Aggregated Items Title: Meteorological Equipment					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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) <sup>(1)</sup>																					
1.1) AN/FMQ-17 Satellite Receiver Upgrade Kit	A		67.000	3	0.201	69.000	2	0.138	70.500	4	0.282	72.000	5	0.360	-	-	-	72.000	5	0.360	
1.2) AN/SMQ-11 Satellite Receiver Upgrade Kit	A		50.000	11	0.550	51.000	4	0.204	52.000	3	0.156	53.000	1	0.053	-	-	-	53.000	1	0.053	
1.3) AN/FMQ-17 Antenna Positioner Upgrade Kit	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.4) AN/SMQ-11 Antenna Pedestal Upgrade Kit	A		159.250	12	1.911	182.000	4	0.728	186.000	4	0.744	189.667	3	0.569	-	-	-	189.667	3	0.569	
Subtotal: 1) SP051 Satellite Receiver Upgrades (Space)			-	-	2.662	-	-	1.070	-	-	1.182	-	-	0.982	-	-	-	-	-	0.982	
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)			-	-	0.000	-	-	1.355	-	-	0.543	-	-	-	-	-	-	-	-	-	
3) SP400 METOC Satellite Data Exploitation Readiness <sup>(2)</sup>																					
3.1) FNMOC Upgrades	A		1,572.000	1	1.572	626.000	1	0.626	1,647.000	1	1.647	2,088.000	1	2.088	-	-	-	2,088.000	1	2.088	
3.2) NAVOCEANO Upgrades	A		345.000	1	0.345	457.000	1	0.457	1,098.000	1	1.098	1,406.000	1	1.406	-	-	-	1,406.000	1	1.406	
Subtotal: 3) SP400 METOC Satellite Data Exploitation Readiness			-	-	1.917	-	-	1.083	-	-	2.745	-	-	3.494	-	-	-	-	-	3.494	
4) SP550 METOC SASC Upgrades																					
4.1) ASOS Upgrades <sup>(3)</sup>	A		120.571	21	2.532	79.824	34	2.714	47.391	69	3.270	34.037	82	2.791	-	-	-	34.037	82	2.791	
4.2) SWR Upgrades	A		37.400	15	0.561	80.000	3	0.240	60.000	14	0.840	60.647	17	1.031	-	-	-	60.647	17	1.031	
Subtotal: 4) SP550 METOC SASC Upgrades			-	-	3.093	-	-	2.954	-	-	4.110	-	-	3.822	-	-	-	-	-	3.822	
5) SP600 Littoral Battlespace Sensors - Unmanned Undersea Vehicles (LBS-UUV) <sup>(4)</sup>																					
5.1) Littoral Battlespace Sensors - Gliders (LBS-G)	A		141.000	70	9.870	150.000	32	4.800	155.000	26	4.030	-	-	-	-	-	-	-	-	-	
5.2) Littoral Battlespace Sensors - Autonomous	A		2,405.000	2	4.810	2,475.000	1	2.475	2,525.000	1	2.525	2,600.000	1	2.600	-	-	-	2,600.000	1	2.600	

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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy</b>																<b>Date:</b> March 2014				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4226 / Meteorological Equipment								<b>Aggregated Items Title:</b> Meteorological Equipment				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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)
Undersea Vehicles (LBS-AUV)																				
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	-	-	-	-	-	0.810
<i>Subtotal: 5) SP600 Littoral Battlespace Sensors - Unmanned Undersea Vehicles (LBS-UUV)</i>			-	-	14.680	-	-	9.675	-	-	9.070	-	-	3.410	-	-	-	-	-	3.410
<b>6) METMF (R) NEXGEN (OCO)</b>																				
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 6) METMF (R) NEXGEN (OCO)</i>			-	-	10.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>7) SP555 Production Support</b>																				
7.1) Satellite Receiver Upgrades	A		-	-	0.071	-	-	0.101	-	-	0.099	-	-	0.079	-	-	-	-	-	0.079
7.2) LBS-UUV	A		-	-	0.859	-	-	0.727	-	-	0.556	-	-	0.250	-	-	-	-	-	0.250
7.3) METMF (R) NEXGEN (OCO)	A		-	-	0.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 7) SP555 Production Support</i>			-	-	1.630	-	-	0.828	-	-	0.655	-	-	0.329	-	-	-	-	-	0.329
<b>8) SP776 Non-FMP</b>																				
8.1) Satellite Receiver Upgrades	A		-	-	0.336	-	-	0.175	-	-	0.311	-	-	0.321	-	-	-	-	-	0.321
<i>Subtotal: 8) SP776 Non-FMP</i>			-	-	0.336	-	-	0.175	-	-	0.311	-	-	0.321	-	-	-	-	-	0.321
<b>9) SP777 FMP</b>																				
9.1) Satellite Receiver Upgrades	A		-	-	1.125	-	-	0.405	-	-	0.345	-	-	0.217	-	-	-	-	-	0.217
9.2) HWDDC	A		-	-	-	-	-	0.245	-	-	0.157	-	-	-	-	-	-	-	-	-
<i>Subtotal: 9) SP777 FMP</i>			-	-	1.125	-	-	0.650	-	-	0.502	-	-	0.217	-	-	-	-	-	0.217
<b>Total</b>			-	-	<b>35.543</b>	-	-	<b>17.790</b>	-	-	<b>19.118</b>	-	-	<b>12.575</b>	-	-	-	-	-	<b>12.575</b>
<b>Footnotes:</b> <sup>(1)</sup> Quantities represent the number of sites/platforms upgraded annually.																				



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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4226 / Meteorological Equipment	<b>Aggregated Items Title:</b> Meteorological Equipment
<p><sup>(2)</sup> Quantities and unit costs represent upgrades to the super computers at the 2 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), and from JASON-3, and Sentinel 1B. 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 procures computer system hardware through SPAWAR via an 8a vendor contract. FNMOC procures computer system hardware through various SSC-LANT contracts with the majority being Firm Fixed Price (FFP).</p> <p><sup>(3)</sup> 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 2015 quantities represent 35 EPI replacements, 32 ACU Phase 1 kits (hardware and software) and 15 ACU Phase II kits. SWR Upgrades - FY 2015 quantities represent 6 Digital Stabilizer Local Oscillator (STALO)/IQ2 replacements and 11 EDGE Workstation III Central Processing Unit (CPU) upgrades.</p> <p><sup>(4)</sup> 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 &amp; recovery system. Littoral Battlespace Sensors - Gliders (LBS-G) FY16 - FY19 quantities represent replacement units. LBS-UUV Upgrades/Backfits represent AUV system improvements and Gliders backfits.</p>		

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy									<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment							<b>P-1 Line Item Number / Title:</b> 4242 / DCRS/DPL					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A			<b>Program Elements for Code B Items:</b>					<b>Other Related Program Elements:</b>				
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO<sup>#</sup></b>	<b>FY 2015 Total</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	92.965	1.345	1.425	1.415	-	1.415	1.434	1.467	1.481	1.511	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	92.965	1.345	1.425	1.415	-	1.415	1.434	1.467	1.481	1.511	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>92.965</b>	<b>1.345</b>	<b>1.425</b>	<b>1.415</b>	<b>-</b>	<b>1.415</b>	<b>1.434</b>	<b>1.467</b>	<b>1.481</b>	<b>1.511</b>	<b>Continuing</b>	<b>Continuing</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	0.121	0.134	0.127	-	0.127	0.146	0.151	0.080	0.038	Continuing	Continuing
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<p><sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.</p> <p><b>Description:</b>            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.</p> <p>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).</p> <p>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.</p> <p>Note: AMMPS was formerly known as Digital Photo Lab (DPL). The program received name-change concurrence from N2/N6 on 19 June 13.</p>												

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy																<b>Date:</b> March 2014					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment												<b>P-1 Line Item Number / Title:</b> 4242 / DCRS/DPL									
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A						<b>Program Elements for Code B Items:</b>						<b>Other Related Program Elements:</b>									
<b>Exhibits Schedule</b>			<b>Prior Years</b>			<b>FY 2013</b>			<b>FY 2014</b>			<b>FY 2015 Base</b>			<b>FY 2015 OCO</b>			<b>FY 2015 Total</b>			
<b>Title*</b>	<b>Exhibits</b>	<b>ID CD</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	
DCRS/AMMPS	P-40a		-	-	92.965	-	-	1.345	-	-	1.425	-	-	1.415	-	-	-	-	-	1.415	
<b>Total Gross/Weapon System Cost</b>			-	-	<b>92.965</b>	-	-	<b>1.345</b>	-	-	<b>1.425</b>	-	-	<b>1.415</b>	-	-	-	-	-	<b>1.415</b>	
<p>*For P-40as, Title represents the P40a Title.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.</p>																					
<p><b>Justification:</b> FY15 funds the baseline program.</p>																					

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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2015 Navy															<b>Date:</b> March 2014				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3					<b>P-1 Line Item Number / Title:</b> 4242 / DCRS/DPL										<b>Aggregated Items Title:</b> DCRS/AMMPS				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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	A		141,785.71	70	9.925	132,333.33	3	0.397	135,333.33	3	0.406	133,000.00	3	0.399	-	-	-	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		164,904.76	63	10.389	155,000.00	3	0.465	159,333.33	3	0.478	155,333.33	3	0.466	-	-	-	155,333.33	3	0.466
1.4) AMMPS Other Costs <sup>(1)</sup>	A		-	-	31.459	-	-	0.190	-	-	0.245	-	-	0.250	-	-	-	-	-	0.250
1.5) DCRS Other Costs	A		-	-	38.462	-	-	0.293	-	-	0.296	-	-	0.300	-	-	-	-	-	0.300
Subtotal: 1) DCRS/DPL			-	-	92.965	-	-	1.345	-	-	1.425	-	-	1.415	-	-	-	-	-	1.415
Total			-	-	92.965	-	-	1.345	-	-	1.425	-	-	1.415	-	-	-	-	-	1.415

**Footnotes:**

<sup>(1)</sup> Support the installation of Afloat Multi-Media Production Systems (AMMPS) onboard Navy ships. Installations are performed based on Type Commander (TYCOM) nominations.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy									<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment							<b>P-1 Line Item Number / Title:</b> 4244 / Aviation Life Support					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A			<b>Program Elements for Code B Items:</b>					<b>Other Related Program Elements:</b>				
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO<sup>#</sup></b>	<b>FY 2015 Total</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	251.442	37.327	29.670	-	-	-	-	-	-	-	-	318.439
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	251.442	37.327	29.670	-	-	-	-	-	-	-	-	318.439
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>251.442</b>	<b>37.327</b>	<b>29.670</b>	-	-	-	-	-	-	-	-	<b>318.439</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	1.338	-	-	-	-	-	-	-	-	-	1.338
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<p><sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.</p> <p><b>Description:</b>  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.</p> <p>Note: Elements of Cost that are not currently funded in the FYDP are no longer included in the "Prior Year" column.</p> <p>[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.</p> <p>[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, goggles, 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.</p> <p>[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 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.</p> <p>[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</p>												

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy															<b>Date:</b> March 2014					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment										<b>P-1 Line Item Number / Title:</b> 4244 / Aviation Life Support										
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A					<b>Program Elements for Code B Items:</b>							<b>Other Related Program Elements:</b>								
<p>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. Increment 2 Initial Operational Capability (IOC) will be in December 2015. Increment 3 will provide a lightweight head protection device 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.</p> <p>[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.</p> <p>[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.</p> <p>[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. Changes in the FY15 Budget request reflect reaching the Inventory Objective of 9118 AE Vests in FY13.</p>																				
<b>Exhibits Schedule</b>			<b>Prior Years</b>			<b>FY 2013</b>			<b>FY 2014</b>			<b>FY 2015 Base</b>			<b>FY 2015 OCO</b>			<b>FY 2015 Total</b>		
<b>Title*</b>	<b>Exhibits</b>	<b>ID CD</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>
Item - 1 / Aviation Life Support	P-5		-	-	251.442	-	-	37.327	-	-	29.670	-	-	-	-	-	-	-	-	-
<b>Total Gross/Weapon System Cost</b>			-	-	<b>251.442</b>	-	-	<b>37.327</b>	-	-	<b>29.670</b>	-	-	-	-	-	-	-	-	-
*For Items, Title represents the Item Number / Title [DODIC].																				
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																				
<b>Justification:</b> Beginning in FY 2015, this program is consolidated into BLI 4268/Other Aviation Support Equipment.																				



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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
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					
Resource Summary					Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO <sup>#</sup>		FY 2015 Total				
Procurement Quantity <i>(Units in Each)</i>					-		-		-		-		-		-				
Gross/Weapon System Cost <i>(\$ in Millions)</i>					251.442		37.327		29.670		-		-		-				
Less PY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>					251.442		37.327		29.670		-		-		-				
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>					251.442		37.327		29.670		-		-		-				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares <i>(\$ in Millions)</i>					-		1.338		-		-		-		-				
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>					-		-		-		-		-		-				
# The FY 2015 OCO Request will be submitted at a later date.																			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
		Unit Cost (\$)	Qty <i>(Each)</i>	Total Cost (\$ M)	Unit Cost (\$)	Qty <i>(Each)</i>	Total Cost (\$ M)	Unit Cost (\$)	Qty <i>(Each)</i>	Total Cost (\$ M)	Unit Cost (\$)	Qty <i>(Each)</i>	Total Cost (\$ M)	Unit Cost (\$)	Qty <i>(Each)</i>	Total Cost (\$ M)	Unit Cost (\$)	Qty <i>(Each)</i>	Total Cost (\$ M)
Hardware - Survival Electronics Cost																			
Recurring Cost																			
1.1.1) CSEL - SY060			66,679.28	1,216	81.082	7,840.00	50	0.392	7,960.00	50	0.398	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost			-	-	81.082	-	-	0.392	-	-	0.398	-	-	-	-	-	-	-	-
Subtotal: Hardware - Survival Electronics Cost			-	-	81.082	-	-	0.392	-	-	0.398	-	-	-	-	-	-	-	-
Hardware - Helmets, Hearing and Display Cost																			
Recurring Cost																			
2.1.1) LEP- SY080			-	-	-	2,518.44	461	1.161	3,539.33	267	0.945	-	-	-	-	-	-	-	-
2.1.2) JHMCS Night Vision - SY215			416,370.00	100	41.637	278,404.26	47	13.085	216,903.23	62	13.448	-	-	-	-	-	-	-	-
2.1.3) FDC - SY505 (1)			448.26	36,530	16.375	319.10	15,926	5.082	1,150.23	4,360	5.015	-	-	-	-	-	-	-	-
2.1.4) EKB - SY450			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.5) EVA - SY217			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost			-	-	58.012	-	-	19.328	-	-	19.408	-	-	-	-	-	-	-	-
Subtotal: Hardware - Helmets, Hearing and Display Cost			-	-	58.012	-	-	19.328	-	-	19.408	-	-	-	-	-	-	-	-
Hardware - Life Support Systems Cost																			
Recurring Cost																			
3.1.1) AE - SY125			3,336.20	5,577	18.606	2,376.45	3,541	8.415	2,990.00	979	2.927	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost			-	-	18.606	-	-	8.415	-	-	2.927	-	-	-	-	-	-	-	-
Subtotal: Hardware - Life Support Systems Cost			-	-	18.606	-	-	8.415	-	-	2.927	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy															Date: March 2014				
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	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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 - Production Support Cost																			
4.1) Survival Electronics - SY830		-	-	46.941	-	-	0.183	-	-	0.188	-	-	-	-	-	-	-	-	-
4.2) Helmets, Hearing and Displays - SY830		-	-	28.357	-	-	6.143	-	-	6.449	-	-	-	-	-	-	-	-	-
4.3) Life Support Systems - SY830		-	-	18.444	-	-	2.866	-	-	0.300	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Support Cost		-	-	93.742	-	-	9.192	-	-	6.937	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	251.442	-	-	37.327	-	-	29.670	-	-	-	-	-	-	-	-	-

**Footnotes:**

(1) SY505 FDC: Unit cost and quantities vary depending on mix of DHP, THP and improved cranials being procured.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy								Date: March 2014				
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 / Airborne 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 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	287.751	47.352	86.054	23.152	-	23.152	26.912	17.330	9.926	28.399	-	526.876
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	287.751	47.352	86.054	23.152	-	23.152	26.912	17.330	9.926	28.399	-	526.876
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	287.751	47.352	86.054	23.152	-	23.152	26.912	17.330	9.926	28.399	-	526.876
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	1.732	0.456	-	0.456	0.481	0.490	0.412	0.160	Continuing	Continuing
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
# The FY 2015 OCO Request will be submitted at a later date.												
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.												
[P5 / S0020 - MODIFICATION]: S0020 Modification and Product Improvements MOD/PROD 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 / 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 / S0061 - MK-105 MOD 4]: S0061 MK-105 MOD 4 Mine-sweeping 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 / S0065 - UNIT COST - AMNS]: S0065 Airborne Mine Neutralization System (AMNS) 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.												
Note: For program procurement completeness, the LCS Mission Modules are procured under BLI 1601.												

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy															<b>Date:</b> March 2014				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment										<b>P-1 Line Item Number / Title:</b> 4248 / Airborne Mine Countermeasures									
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A					<b>Program Elements for Code B Items:</b>					<b>Other Related Program Elements:</b> 0604373N									
<p>[P5 / S0074- UNIT COST - AQS-20A]: S0074 AN/AQS-20A Sonar  AN/AQS-20A includes a sonar for mine detection, classification and identification. The Navy does not possess a capability to conduct high speed minefield reconnaissance to determine mine density and location. The AN/AQS-20A will be procured to address the emergent requirements for mine identification and to integrate AMCM systems with a MH-60S platform and the Remote Mine Hunting System (RMS).</p> <p>Note: For program procurement completeness, the LCS Mission Modules are procured under BLI 1601.</p> <p>[P5 / S0075- UNIT COST- ALMDS]: S0075 Airborne Laser Mine Detection System (ALMDS)  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.</p> <p>Note: For program procurement completeness, the LCS Mission Modules are procured under BLI 1601.</p> <p>[P5 / S0090 - OAMCM Support Equipment]: S0090 Organic Airborne Mine Countermeasures (OAMCM) Support Equipment</p> <p>Organic Reeling Cable Assemblies (ORCA) - Provided the rewind capability of the common tow cable equipment for the OAMCM systems (AN/AQS-20A, and AMNS).</p> <p>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.</p> <p>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.</p>																			

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - 1 / AIRBORNE MINE COUNTERMEASURES	P-5		-	-	287.751	-	-	47.352	-	-	86.054	-	-	23.152	-	-	-	-	-	23.152
<b>Total Gross/Weapon System Cost</b>			-	-	<b>287.751</b>	-	-	<b>47.352</b>	-	-	<b>86.054</b>	-	-	<b>23.152</b>	-	-	-	-	-	<b>23.152</b>

\*For Items, Title represents the Item Number / Title [DODIC].

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

**Justification:**  
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. These systems 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.

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Exhibit P-5, Cost Analysis: PB 2015 Navy													Date: March 2014								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3								P-1 Line Item Number / Title: 4248 / Airborne Mine Countermeasures					Item Number / Title [DODIC]: 1 / AIRBORNE MINE COUNTERMEASURES								
Resource Summary					Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO <sup>#</sup>			FY 2015 Total	
Procurement Quantity <i>(Units in Each)</i>					-			-			-			-			-			-	
Gross/Weapon System Cost <i>(\$ in Millions)</i>					287.751			47.352			86.054			23.152			-			23.152	
Less PY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-	
Net Procurement (P1) <i>(\$ in Millions)</i>					287.751			47.352			86.054			23.152			-			23.152	
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-	
Total Obligation Authority <i>(\$ in Millions)</i>					287.751			47.352			86.054			23.152			-			23.152	
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares <i>(\$ in Millions)</i>					-			-			1.732			0.456			-			0.456	
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>					-			-			-			-			-			-	
# The FY 2015 OCO Request will be submitted at a later date.																					
Cost Elements		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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			-	-	51.233	-	-	10.722	-	-	9.667	-	-	3.628	-	-	-	-	-	3.628	
Subtotal: Recurring Cost			-	-	51.233	-	-	10.722	-	-	9.667	-	-	3.628	-	-	-	-	-	3.628	
Subtotal: Hardware - S0020 MODIFICATIONS Cost			-	-	51.233	-	-	10.722	-	-	9.667	-	-	3.628	-	-	-	-	-	3.628	
Hardware - S0024 AN/AQS-24 Sonar Cost																					
Recurring Cost																					
2.1.1) AN/AQS-24 (New)			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2.1.2) AN/AQS-24B			-	-	-	-	-	-	2,115K	20	42.300	2,157K	7	15.100	-	-	-	2,157K	7	15.100	
2.1.3) AN/AQS-24C			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2.1.4) Training Equipment			-	-	-	-	-	-	-	-	0.200	4,424K	1	4.424	-	-	-	4,424K	1	4.424	
2.1.5) ILS/Tech Pubs			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: Recurring Cost			-	-	0.000	-	-	-	-	-	42.500	-	-	19.524	-	-	-	-	-	19.524	
Subtotal: Hardware - S0024 AN/AQS-24 Sonar Cost			-	-	0.000	-	-	-	-	-	42.500	-	-	19.524	-	-	-	-	-	19.524	
Hardware - S0061 - MK-105 MOD 4 Cost																					
Recurring Cost																					
3.1.1) MK-105 MOD 4			16,600K	1	16.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3.1.2) Production Line Set-Up			-	-	3.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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<b>Exhibit P-5, Cost Analysis: PB 2015 Navy</b>																<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4248 / Airborne Mine Countermeasures								<b>Item Number / Title [DODIC]:</b> 1 / AIRBORNE MINE COUNTERMEASURES			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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		-	-	20.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - S0061 - MK-105 MOD 4 Cost		-	-	20.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - S0065 - UNIT COST - AMNS Cost																			
Recurring Cost																			
4.1.1) AMNS		2,086K	14	29.197	2,286K	1	2.286	2,315K	1	2.315	-	-	-	-	-	-	-	-	-
4.1.2) AMNS (MH-53E)		-	-	-	-	-	-	2,729K	7	19.100	-	-	-	-	-	-	-	-	-
4.1.3) AMNS Near Surface		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.4) PRODUCTION ENGINEERING		-	-	1.875	-	-	0.142	-	-	0.338	-	-	-	-	-	-	-	-	-
4.1.5) TRAINING EQUIPMENT		-	-	4.467	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.6) ILS/PUBS/ TECH DATA		-	-	1.577	-	-	0.102	-	-	0.323	-	-	-	-	-	-	-	-	-
4.1.7) SUPPORT EQUIPMENT		-	-	3.156	-	-	0.270	-	-	0.374	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	40.272	-	-	2.800	-	-	22.450	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - S0065 - UNIT COST - AMNS Cost		-	-	40.272	-	-	2.800	-	-	22.450	-	-	-	-	-	-	-	-	-
Hardware - S0074- UNIT COST - AQS-20A Cost																			
Recurring Cost																			
5.1.1) AN/AQS-20A		3,492K	18	62.855	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.2) EOID KIT		1,671K	4	6.684	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.3) PRODUCTION ECP (HW/SW)		-	-	11.385	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.4) PRODUCTION EQUIPMENT		-	-	3.393	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.5) NON-RECURRING ENGINEERING		-	-	2.899	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.6) TRAINING EQUIPMENT		-	-	8.712	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.7) ILS/PUBS \TECH\DATA		-	-	2.180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.8) SUPPORT EQUIPMENT		-	-	3.411	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.9) CONSULTING SERVICES		-	-	1.832	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	103.351	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 03 / 3							P-1 Line Item Number / Title: 4248 / Airborne Mine Countermeasures							Item Number / Title [DODIC]: 1 / AIRBORNE MINE COUNTERMEASURES					
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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 - S0074- UNIT COST - AQS-20A Cost		-	-	103.351	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - S0075- UNIT COST- ALMDS Cost																			
Recurring Cost																			
6.1.1) ALMDS		7,285K	7	50.995	7,338K	4	29.352	7,445K	1	7.445	-	-	-	-	-	-	-	-	-
6.1.2) PRODUCTION ENGINEERING		-	-	7.278	-	-	1.323	-	-	0.506	-	-	-	-	-	-	-	-	-
6.1.3) PRODUCTION ECP (HW/SW)		-	-	2.005	-	-	1.200	-	-	2.286	-	-	-	-	-	-	-	-	-
6.1.4) TRAINING EQUIPMENT		-	-	0.976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.5) ILS/PUBS/ TECH DATA		-	-	2.169	-	-	0.155	-	-	-	-	-	-	-	-	-	-	-	-
6.1.6) SUPPORT EQUIPMENT		-	-	0.729	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	64.152	-	-	32.030	-	-	10.237	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - S0075- UNIT COST- ALMDS Cost		-	-	64.152	-	-	32.030	-	-	10.237	-	-	-	-	-	-	-	-	-
Hardware - S0090 - OAMCM Support Equipment Cost																			
Recurring Cost																			
7.1.1) OPMA		128,000.00	6	0.768	-	-	-	100,000.00	9	0.900	-	-	-	-	-	-	-	-	-
7.1.2) SNIUTT		-	-	0.780	-	-	0.300	-	-	0.300	-	-	-	-	-	-	-	-	-
7.1.3) ORCA		3,098K	2	6.195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.1.4) Tow Cables		100,000.00	10	1.000	150,000.00	10	1.500	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	8.743	-	-	1.800	-	-	1.200	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - S0090 - OAMCM Support Equipment Cost		-	-	8.743	-	-	1.800	-	-	1.200	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	287.751	-	-	47.352	-	-	86.054	-	-	23.152	-	-	-	-	-	23.152

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy										<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment							<b>P-1 Line Item Number / Title:</b> 4255 / LAMPS MK III Shipboard Equipment						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A			<b>Program Elements for Code B Items:</b>					<b>Other Related Program Elements:</b>					
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO<sup>#</sup></b>	<b>FY 2015 Total</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>To Complete</b>	<b>Total</b>	
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost <i>(\$ in Millions)</i>	191.106	17.666	18.293	-	-	-	-	-	-	-	-	227.065	
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P1) <i>(\$ in Millions)</i>	191.106	17.666	18.293	-	-	-	-	-	-	-	-	227.065	
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	<b>191.106</b>	<b>17.666</b>	<b>18.293</b>	-	-	-	-	-	-	-	-	<b>227.065</b>	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>													
Initial Spares <i>(\$ in Millions)</i>	-	-	0.561	-	-	-	-	-	-	-	-	0.561	
Flyaway Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-	
<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.													
<b>Description:</b> 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). The minimum sustaining production rate is 4 kits per Fiscal Year.  Program spares are budgeted by NAVSEA OPN BLI 9020.													

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / S1010-SRQ(KU)-4	P-3a		-	-	191.106	-	-	17.666	-	-	18.293	-	-	-	-	-	-	-	-	-
<b>Total Gross/Weapon System Cost</b>			-	-	<b>191.106</b>	-	-	<b>17.666</b>	-	-	<b>18.293</b>	-	-	-	-	-	-	-	-	-

Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / S1010-SRQ(KU)-4	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	227.065	
<b>Total Gross/Weapon System Cost</b>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>227.065</b>	

<sup>\*</sup>For the P-3a, Title represents the Modification Number / Title.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment		<b>P-1 Line Item Number / Title:</b> 4255 / LAMPS MK III Shipboard Equipment
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.		
<p><b>Justification:</b>  In FY 2015 this Line Item is being 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.</p> <p>An FY 2013 AN/SRQ-4(Ku) unit (1 qty) and support was decreased from President's Budget 2014 due to impacts of the Budget Control Act and higher than expected install costs. Due to the Budget Control Act, modifications to the training curriculum and maintenance trainers were scaled back or deferred. Additionally, the Budget Control Act resulted in a change in ship availability periods, a different mix of ships to be installed and different locations of the installs. Multiple changes to installation schedules, location and ship class, resulted in inefficiencies and cost overruns at the shipyards.</p> <p>In FY 2014 one AN/SRQ-4(Ku) was reduced from the President's Budget submission to fund higher than expected installation costs due to changes in ship installation plan. 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.</p> <p>Aircraft Objective Inventory is 95 kits. (68 DDGs, 22 CGs, &amp; 5 Shore sites)</p>		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4255 / LAMPS MK III Shipboard Equipment	<b>Modification Number / Title:</b> 1 / S1010-SRQ(KU)-4

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	191.106	17.666	18.293	-	-	-	-	-	-	-	-	227.065
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	191.106	17.666	18.293	-	-	-	-	-	-	-	-	227.065
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	191.106	17.666	18.293	-	-	-	-	-	-	-	-	227.065
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

**Description:**

This 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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014						
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 <sup>(1)</sup>	32 / 70.613	4 / 5.399	4 / 5.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 81.345		
Subtotal: Recurring	- / 70.613	- / 5.399	- / 5.333	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 81.345		
Non-Recurring														
1.2.1) NRE - Organic	- / 31.907	- / 0.460	- / 0.229	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 32.596		
Subtotal: Non-Recurring	- / 31.907	- / 0.460	- / 0.229	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 32.596		
Subtotal: S1010-SRQ(KU)-4	32 / 102.520	4 / 5.859	4 / 5.562	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 113.941		
Subtotal: Procurement, All Modification Items	- / 102.520	- / 5.859	- / 5.562	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 113.941		
Support (All Modification Items)														
2.1) Data <sup>(2)</sup>	- / 1.016	- / 1.718	- / 1.592	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.326		
2.2) Support Equipment	- / 0.635	- / 0.415	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.050		
2.3) ILS	- / 14.672	- / 1.652	- / 1.412	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.736		
2.4) Production Engineering	- / 64.849	- / 1.636	- / 1.910	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 68.395		
2.5) Acceptance Test & Evaluation	- / 1.727	- / 0.197	- / 0.201	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.125		
2.6) GFE	- / 2.610	- / 0.826	- / 0.683	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.119		
2.7) Interim Contractor Support	- / -	- / -	- / 0.438	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.438		
2.8) Training Equipment	- / 1.350	- / -	- / 1.369	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.719		
Subtotal: Support	- / 86.859	- / 6.444	- / 7.605	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 100.908		
Installation														
Modification Item 1 of 1: S1010-SRQ(KU)-4	- / 1.727	- / 5.363	- / 5.126	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.216		
Subtotal: Installation	- / 1.727	- / 5.363	- / 5.126	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.216		
Total														
Total Cost (Procurement + Support + Installation)	191.106	17.666	18.293	-	-	-	-	-	-	-	-	227.065		

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4255 / LAMPS MK III Shipboard Equipment	<b>Modification Number / Title:</b> 1 / S1010-SRQ(KU)-4

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

**Modification Item MDAP/MAIS Code:**

**Manufacturer Information**

Manufacturer Name: L3				Manufacturer Location: >Salt Lake City, UT			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 25			
<b>Dates</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>
Contract Dates	Jun 2013	Dec 2013					
Delivery Dates	Jul 2015	Jan 2016					

**Installation Information**

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

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	3 / 1.727	7 / 5.363	11 / 5.126	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 12.216
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	3 / 1.727	7 / 5.363	11 / 5.126	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 12.216

**Installation Schedule**

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	3	2	2	1	2	3	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
Out	3	2	1	1	3	2	3	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21

**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. Installation unit costs have been updated to reflect estimates based on actual costs on FY 2012 and FY 2013 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

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LI 4255 - LAMPS MK III Shipboard Equipment  
Navy

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(2) Cost code 2.1 (Data) increased from PB 2014 to PB 2015 in FY 2014 due to the addition of two FY 2015 installs (budgeted for in Line Item 4213) and 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.

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy										<b>Date:</b> March 2014			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment										<b>P-1 Line Item Number / Title:</b> 4264 / Portable Electronic Maintenance Aids			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : A			<b>Program Elements for Code B Items:</b>					<b>Other Related Program Elements:</b>					
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO<sup>#</sup></b>	<b>FY 2015 Total</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>To Complete</b>	<b>Total</b>	
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost <i>(\$ in Millions)</i>	24.227	7.303	7.969	-	-	-	-	-	-	-	-	39.499	
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P1) <i>(\$ in Millions)</i>	24.227	7.303	7.969	-	-	-	-	-	-	-	-	39.499	
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Total Obligation Authority</b> <i>(\$ in Millions)</i>	<b>24.227</b>	<b>7.303</b>	<b>7.969</b>	-	-	-	-	-	-	-	-	<b>39.499</b>	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>													
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-	
Flyaway Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-	
<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.													
<b>Description:</b> 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.													

Exhibits Schedule		Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total			
Title*	Exhibits	ID CD	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - 1 / Portable Electronic Maintenance Aids	P-5		-	-	24.227	-	-	7.303	-	-	7.969	-	-	-	-	-	-	-	-	-
<b>Total Gross/Weapon System Cost</b>			-	-	<b>24.227</b>	-	-	<b>7.303</b>	-	-	<b>7.969</b>	-	-	-	-	-	-	-	-	-

\*For Items, Title represents the Item Number / Title [DODIC].

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

<b>Justification:</b> FY13 Provides funding to procure 1,433 PEMA units and associated support cost. FY14 Provides funding to procure 1,616 PEMA units and associated support cost.	
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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment		<b>P-1 Line Item Number / Title:</b> 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:
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Exhibit P-5, Cost Analysis: PB 2015 Navy													Date: March 2014									
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								
Resource Summary					Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO <sup>#</sup>			FY 2015 Total		
Procurement Quantity <i>(Units in Each)</i>					-			-			-			-			-			-		
Gross/Weapon System Cost <i>(\$ in Millions)</i>					24.227			7.303			7.969			-			-			-		
Less PY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Net Procurement (P1) <i>(\$ in Millions)</i>					24.227			7.303			7.969			-			-			-		
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>					24.227			7.303			7.969			-			-			-		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																						
Initial Spares <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>					-			-			-			-			-			-		
# The FY 2015 OCO Request will be submitted at a later date.																						
Cost Elements		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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)			3,861.32	5,307	20.492	3,785.07	1,433	5.424	3,926.98	1,616	6.346	-	-	-	-	-	-	-	-	-		
Subtotal: Recurring Cost			-	-	20.492	-	-	5.424	-	-	6.346	-	-	-	-	-	-	-	-	-		
Subtotal: Hardware - Hardware PEMA Cost			-	-	20.492	-	-	5.424	-	-	6.346	-	-	-	-	-	-	-	-	-		
Support - Production Cost																						
2.1) S6820 Portable Electronic Maintenance Aids (PEMAs) Support			-	-	3.735	-	-	1.879	-	-	1.623	-	-	-	-	-	-	-	-	-		
Subtotal: Support - Production Cost			-	-	3.735	-	-	1.879	-	-	1.623	-	-	-	-	-	-	-	-	-		
Gross/Weapon System Cost			-	-	24.227	-	-	7.303	-	-	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.																						

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy	<b>Date:</b> March 2014
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	<b>P-1 Line Item Number / Title:</b> 4265 / Other Aviation Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	150.997	8.319	2.415	-	-	-	-	-	-	-	-	161.731
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	150.997	8.319	2.415	-	-	-	-	-	-	-	-	161.731
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>150.997</b>	<b>8.319</b>	<b>2.415</b>	-	-	-	-	-	-	-	-	<b>161.731</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	-	-	-	-	-	-	-	-	-	-

# The FY 2015 OCO Request will be submitted at a later date.

**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

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy	<b>Date:</b> March 2014
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	<b>P-1 Line Item Number / Title:</b> 4265 / Other Aviation Support Equipment
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<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
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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. 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.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		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)
Other Aviation Support Equipment	P-40a		-	-	150.997	-	-	8.319	-	-	2.415	-	-	-	-	-	-	-	-	-
<b>Total Gross/Weapon System Cost</b>			-	-	<b>150.997</b>	-	-	<b>8.319</b>	-	-	<b>2.415</b>	-	-	-	-	-	-	-	-	-

\*For P-40as, Title represents the P40a Title.

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.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy																Date: March 2014					
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					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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		5,123.500	2	10.247	764.966	1	0.765	378.000	1	0.378	-	-	-	-	-	-	-	-	-	
Subtotal: 1) Naval Aviation Logistics Data Analysis Decision Knowledge Programming for Logistics Analys			-	-	10.247	-	-	0.765	-	-	0.378	-	-	-	-	-	-	-	-	-	
2) Naval Aviation Logistics Command Management Information System/Naval Air Systems Command F																					
2.1) S7041 - NFSA HW/SW	A		13,597.000	2	27.194	2,808.000	1	2.808	564.000	1	0.564	-	-	-	-	-	-	-	-	-	
Subtotal: 2) Naval Aviation Logistics Command Management Information System/Naval Air Systems Command F			-	-	27.194	-	-	2.808	-	-	0.564	-	-	-	-	-	-	-	-	-	
3) Joint Technical Data Integration (JTDI)																					
3.1) S7042 - JTDI HW/SW	A		33,213.500	2	66.427	1,714.696	1	1.715	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.7) S7042 - Portable Electronic Maint Aid (PEMA) Deployable Wireless Kits	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 3) Joint Technical Data Integration (JTDI)			-	-	83.135	-	-	1.715	-	-	0.406	-	-	-	-	-	-	-	-	-	
4) Marine Aviation Logistics Enterprise Information Technology (MAL-EIT)/Expeditionary Pack U																					
4.1) S7046 - EPUK HW/SW	B		353.000	1	0.353	353.591	1	0.354	69.000	1	0.069	-	-	-	-	-	-	-	-	-	
Subtotal: 4) Marine Aviation Logistics Enterprise Information			-	-	0.353	-	-	0.354	-	-	0.069	-	-	-	-	-	-	-	-	-	

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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2015 Navy																<b>Date:</b> March 2014				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4265 / Other Aviation Support Equipment								<b>Aggregated Items Title:</b> Other Aviation Support Equipment				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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																				
<b>5) Automated Data Capture System (ADCS)</b>																				
5.1) S7047 - ADCS HW	B		4.000	20	0.080	4.000	20	0.080	-	-	-	-	-	-	-	-	-	-	-	-
5.2) S7047 - ADCS SW	B		347.000	1	0.347	391.000	1	0.391	245.000	1	0.245	-	-	-	-	-	-	-	-	-
5.3) S7910 Prior Year Costs	A		-	-	16.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) Automated Data Capture System (ADCS)			-	-	16.428	-	-	0.471	-	-	0.245	-	-	-	-	-	-	-	-	-
<b>6) Production Engineering Support (AIR6.8)</b>																				
6.1) S7833 - Aviation Data Warehouse Environment	A		-	-	2.700	-	-	-	-	-	0.233	-	-	-	-	-	-	-	-	-
6.2) S7833 - Naval Air Systems Command Fleet System Arrays	A		-	-	6.596	-	-	0.967	-	-	0.360	-	-	-	-	-	-	-	-	-
6.3) S7833 - Joint Technical Data Integration	A		-	-	4.161	-	-	1.100	-	-	0.160	-	-	-	-	-	-	-	-	-
6.4) S7833 - Automated Data Capture System	A		-	-	0.183	-	-	0.139	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) Production Engineering Support (AIR6.8)			-	-	13.640	-	-	2.206	-	-	0.753	-	-	-	-	-	-	-	-	-
<b>Total</b>			-	-	<b>150.997</b>	-	-	<b>8.319</b>	-	-	<b>2.415</b>	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy	<b>Date:</b> March 2014
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	<b>P-1 Line Item Number / Title:</b> 4267 / Autonomic Logistics Infor System (ALIS Ship Alts)
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ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	2.824	3.427	-	-	-	-	-	-	-	-	6.251
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	2.824	3.427	-	-	-	-	-	-	-	-	6.251
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	<b>2.824</b>	<b>3.427</b>	-	-	-	-	-	-	-	-	<b>6.251</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	1.684	-	-	-	-	-	-	-	-	1.684
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

**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.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / ALIS SHIP INSTALLATION	P-3a		-	-	0.000	-	-	2.824	-	-	3.427	-	-	-	-	-	-	-	-	-
<b>Total Gross/Weapon System Cost</b>			-	-	<b>0.000</b>	-	-	<b>2.824</b>	-	-	<b>3.427</b>	-	-	-	-	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy															Date: March 2014						
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			ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	Unit Cost (\$)		Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / ALIS SHIP INSTALLATION	P-3a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.251	
Total Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.251	
*For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					



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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4267 / Autonomic Logistics Infor System (ALIS Ship Alts)	<b>Modification Number / Title:</b> 1 / ALIS SHIP INSTALLATION

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	2.824	3.427	-	-	-	-	-	-	-	-	6.251
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	2.824	3.427	-	-	-	-	-	-	-	-	6.251
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	0.000	2.824	3.427	-	-	-	-	-	-	-	-	6.251
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

**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.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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	- / 0.000	- / 0.050	- / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	
Subtotal: ALIS SHIP INSTALLATION	- / -	1 / 0.050	3 / 0.150	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.200	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 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	- / 0.268	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.317	
Subtotal: Support	- / 0.000	- / 1.343	- / 0.268	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.611	
Installation													
Modification Item 1 of 1: ALIS SHIP INSTALLATION	- / 0.000	- / 1.431	- / 3.009	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.440	
Subtotal: Installation	- / 0.000	- / 1.431	- / 3.009	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.440	
Total													
Total Cost (Procurement + Support + Installation)	0.000	2.824	3.427	-	-	-	-	-	-	-	-	6.251	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy										<b>Date:</b> March 2014																					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3										<b>P-1 Line Item Number / Title:</b> 4267 / Autonomic Logistics Infor System (ALIS Ship Alts)										<b>Modification Number / Title:</b> 1 / ALIS SHIP INSTALLATION											
<b>Modification Item 1 of 1:</b> ALIS SHIP INSTALLATION																															
<b>Modification Item MDAP/MAIS Code:</b>																															
<b>Manufacturer Information</b>																															
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																
<b>Dates</b>		<b>FY 2013</b>			<b>FY 2014</b>			<b>FY 2015</b>			<b>FY 2016</b>			<b>FY 2017</b>			<b>FY 2018</b>			<b>FY 2019</b>											
Contract Dates		Dec 2012			Dec 2013																										
Delivery Dates		Jul 2013			Apr 2014																										
<b>Installation Information</b>																															
<b>Method of Implementation:</b> [none specified] : Installation Name: Installation Material																															
<b>Installation Cost</b>		<b>Prior Years</b>	<b>FY 2013</b>		<b>FY 2014</b>		<b>FY 2015 Base</b>		<b>FY 2015 OCO</b>		<b>FY 2015 Total</b>		<b>FY 2016</b>		<b>FY 2017</b>		<b>FY 2018</b>		<b>FY 2019</b>		<b>To Complete</b>		<b>Total</b>								
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2013		-	/	-	1 / 1.431	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	1 / 1.431					
FY 2014		-	/	-	-	/	-	3 / 3.009	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	3 / 3.009					
FY 2015		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2016		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2017		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2018		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2019		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
To Complete		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
Total		-	/	-	1 / 1.431	-	/	-	3 / 3.009	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	4 / 4.440						
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>FY 2018</b>				<b>FY 2019</b>				<b>TC</b>	<b>Tot</b>
		<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>		
In	-	-	-	-	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Out	-	-	-	-	-	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy	<b>Date:</b> March 2014
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<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment	<b>P-1 Line Item Number / Title:</b> 4268 / Aviation Support Equipment
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ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	-	52.555	-	52.555	58.527	59.579	65.072	66.091	Continuing	Continuing
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	-	52.555	-	52.555	58.527	59.579	65.072	66.091	Continuing	Continuing
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (<i>\$ in Millions</i>)</b>	<b>0.000</b>	-	-	<b>52.555</b>	-	<b>52.555</b>	<b>58.527</b>	<b>59.579</b>	<b>65.072</b>	<b>66.091</b>	<b>Continuing</b>	<b>Continuing</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	1.927	-	1.927	3.284	2.329	1.974	2.018	Continuing	Continuing
Flyaway Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

# The FY 2015 OCO Request will be submitted at a later date.

**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

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment		<b>P-1 Line Item Number / Title:</b> 4268 / Aviation Support Equipment
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B	<b>Program Elements for Code B Items:</b>	<b>Other Related Program Elements:</b>
<p>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. 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.</p> <p>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.</p> <p>[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.</p> <p>[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, goggles, 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.</p> <p>[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 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.</p> <p>[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. Increment 2 Initial Operational Capability (IOC) will be in December 2015. Increment 3 will provide a lightweight head protection device 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.</p> <p>[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</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy														Date: March 2014					
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:							
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. 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.																			

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2015 Navy																<b>Date:</b> March 2014					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N: Other Procurement, Navy / BA 03: Aviation Support Equipment / BSA 3: Aircraft Support Equipment												<b>P-1 Line Item Number / Title:</b> 4268 / Aviation Support Equipment									
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) : B						<b>Program Elements for Code B Items:</b>						<b>Other Related Program Elements:</b>									
<b>Exhibits Schedule</b>		<b>ID CD</b>	<b>Prior Years</b>			<b>FY 2013</b>			<b>FY 2014</b>			<b>FY 2015 Base</b>			<b>FY 2015 OCO</b>			<b>FY 2015 Total</b>			
<b>Title*</b>	<b>Exhibits</b>		<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	
<b>Total Gross/Weapon System Cost</b>			-	-	0.000	-	-	-	-	-	-	-	-	52.555	-	-	-	-	-	52.555	
<b>Exhibits Schedule</b>		<b>ID CD</b>	<b>FY 2016</b>			<b>FY 2017</b>			<b>FY 2018</b>			<b>FY 2019</b>			<b>To Complete</b>			<b>Total</b>			
<b>Title*</b>	<b>Exhibits</b>		<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	
Other Aviation Support Equipment	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Item - 1 / Aviation Life Support	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Item - 2 / Portable Electronic Maintenance Aids	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P-3a - 1 / ALIS SHIP INSTALLATION	P-3a		-	-	3.946	-	-	2.262	-	-	4.122	-	-	3.969	-	-	9.408	-	-	29.723	
<b>Total Gross/Weapon System Cost</b>			-	-	58.527	-	-	59.579	-	-	65.072	-	-	66.091	<b>Continuing</b>			<b>Continuing</b>			
*For Items, Title represents the Item Number / Title [DODIC]. For P-40as, Title represents the P40a Title. For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					
<p><b>Justification:</b> Beginning in FY2015, funding was 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), so the items contained within this budget are not considered new starts.</p> <p>The FY2015 Budget Request provides funding for the following:</p> <p>Other Aviation Life support - the procurement of hardware and associated support costs for NALCOMIS/NFSA shipboard servers, JTDI, DECKPLATE, MAL-EIT/EPUK and ADCS.</p> <p>Aviation Life Support - the procurement of hardware and associated support costs for 50 CSEL Radios, 318 LEP Spectacles, 72 JHMCS Night Vision Devices and 2,207 FDC Double and Triple Hearing Protection/Headset assemblies.</p> <p>PEMA - the procurement of hardware and associated support costs for 1,622 PEMA units.</p> <p>ALIS - the procurement of hardware and associated support costs for four (4) ALIS installations.</p>																					



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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy															Date: March 2014					
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 <sup>(1)</sup>					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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	A		-	-	-	-	-	-	-	-	-	2,730K	1	2.730	-	-	-	2,730K	1	2.730
Subtotal: 1) Naval Aviation Logistics Data Analysis Decision Knowledge Programming for Logistics Analys			-	-	0.000	-	-	-	-	-	-	-	-	2.730	-	-	-	-	-	2.730
2) Naval Aviation Logistics Command Management Information System/Naval Air Systems Command F																				
2.1) S7041 - NFSA HW/SW	A		-	-	-	-	-	-	-	-	-	2,380K	1	2.380	-	-	-	2,380K	1	2.380
Subtotal: 2) Naval Aviation Logistics Command Management Information System/Naval Air Systems Command F			-	-	0.000	-	-	-	-	-	-	-	-	2.380	-	-	-	-	-	2.380
3) Joint Technical Data Integration (JTDI)																				
3.1) S7042 - JTDI HW/SW <sup>(2)</sup>	A		-	-	-	-	-	-	-	-	-	509,000.00	1	0.509	-	-	-	509,000.00	1	0.509
3.2) S7042 - Distance Support Kits for Expeditionary Air Field	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) S7042 - Telemaintenance Kits	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) S7042 - Outside the Continental US Regional Servers	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.5) S7042 - Secret Internet Protocol Router Network Top Tier	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.6) S7042 - Transit Cases	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.7) S7042 - Portable Electronic Maint Aid (PEMA) Deployable Wireless Kits	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) Joint Technical Data Integration (JTDI)			-	-	0.000	-	-	-	-	-	-	-	-	0.509	-	-	-	-	-	0.509
4) Marine Aviation Logistics Enterprise Information Technology (MAL-EIT)/Expeditionary Pack U																				
4.1) S7046 - EPUK HW/SW <sup>(3)</sup>	B		-	-	-	-	-	-	-	-	-	374,000.00	1	0.374	-	-	-	374,000.00	1	0.374
Subtotal: 4) Marine Aviation Logistics			-	-	0.000	-	-	-	-	-	-	-	-	0.374	-	-	-	-	-	0.374

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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy</b>																<b>Date:</b> March 2014				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3						<b>P-1 Line Item Number / Title:</b> 4268 / Aviation Support Equipment										<b>Aggregated Items Title:</b> Other Aviation Support Equipment <sup>(1)</sup>				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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)
Enterprise Information Technology (MAL-EIT)/ Expeditionary Pack U																				
<b>5) Automated Data Capture System (ADCS)</b>																				
5.1) S7047 - ADCS HW	B		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2) S7047 - ADCS SW	B		-	-	-	-	-	-	-	-	-	207,000.00	1	0.207	-	-	-	207,000.00	1	0.207
5.3) S7910 Prior Year Costs	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) Automated Data Capture System (ADCS)			-	-	0.000	-	-	-	-	-	-	-	-	0.207	-	-	-	-	-	0.207
<b>6) Production Engineering Support (AIR6.8)</b>																				
6.1) S7833 - Aviation Data Warehouse Environment	A		-	-	-	-	-	-	-	-	-	-	-	0.391	-	-	-	-	-	0.391
6.2) S7833 - Naval Air Systems Command Fleet System Arrays	A		-	-	-	-	-	-	-	-	-	-	-	0.632	-	-	-	-	-	0.632
6.3) S7833 - Joint Technical Data Integration	A		-	-	-	-	-	-	-	-	-	-	-	0.684	-	-	-	-	-	0.684
6.4) S7833 - Automated Data Capture System	A		-	-	-	-	-	-	-	-	-	-	-	0.124	-	-	-	-	-	0.124
Subtotal: 6) Production Engineering Support (AIR6.8)			-	-	0.000	-	-	-	-	-	-	-	-	1.831	-	-	-	-	-	1.831
<b>Total</b>			-	-	<b>0.000</b>	-	-	-	-	-	-	-	-	<b>8.031</b>	-	-	-	-	-	<b>8.031</b>

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy															Date: March 2014					
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 <sup>(1)</sup>					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2016			FY 2017			FY 2018			FY 2019			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) Naval Aviation Logistics Data Analysis Decision Knowledge Programming for Logistics Analys																				
1.1) S7039 - Aviation Data Warehouse Environment	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	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) Naval Aviation Logistics Command Management Information System/Naval Air Systems Command F			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) Joint Technical Data Integration (JTDI)																				
3.1) S7042 - JTDI HW/SW <sup>(2)</sup>	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) S7042 - Distance Support Kits for Expeditionary Air Field	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) S7042 - Telemaintenance Kits	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) S7042 - Outside the Continental US Regional Servers	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.5) S7042 - Secret Internet Protocol Router Network Top Tier	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.6) S7042 - Transit Cases	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.7) S7042 - Portable Electronic Maint Aid (PEMA) Deployable Wireless Kits	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 <sup>(3)</sup>	B		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) Marine Aviation Logistics			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-40a, Budget Item Justification For Aggregated Items:</b> PB 2015 Navy															<b>Date:</b> March 2014				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4268 / Aviation Support Equipment							<b>Aggregated Items Title:</b> Other Aviation Support Equipment <sup>(1)</sup>				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2016			FY 2017			FY 2018			FY 2019			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)
Enterprise Information Technology (MAL-EIT)/ Expeditionary Pack U																				
<b>5) Automated Data Capture System (ADCS)</b>																				
5.1) S7047 - ADCS HW	B		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2) S7047 - ADCS SW	B		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.3) S7910 Prior Year Costs	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) Automated Data Capture System (ADCS)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>6) Production Engineering Support (AIR6.8)</b>																				
6.1) S7833 - Aviation Data Warehouse Environment	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) S7833 - Naval Air Systems Command Fleet System Arrays	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.3) S7833 - Joint Technical Data Integration	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.4) S7833 - Automated Data Capture System	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) Production Engineering Support (AIR6.8)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Footnotes:**

- <sup>(1)</sup> 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.
- <sup>(2)</sup> 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.
- <sup>(3)</sup> 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.

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Exhibit P-5, Cost Analysis: PB 2015 Navy										Date: March 2014									
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									
Resource Summary		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total						
Procurement Quantity <i>(Units in Each)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Cost <i>(\$ in Millions)</i>		0.000	-	-	30.762	-	30.762	-	-	-	-	-	-						
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) <i>(\$ in Millions)</i>		0.000	-	-	30.762	-	30.762	-	-	-	-	-	-						
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority <i>(\$ in Millions)</i>		0.000	-	-	30.762	-	30.762	-	-	-	-	-	-						
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
# The FY 2015 OCO Request will be submitted at a later date.																			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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	-	-	-	-	-	-	8,080.00	50	0.404	-	-	-	8,080.00	50	0.404
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	0.404	-	-	-	-	-	0.404
Subtotal: Hardware - Survival Electronics Cost		-	-	0.000	-	-	-	-	-	-	-	-	0.404	-	-	-	-	-	0.404
Hardware - Helmets, Hearing and Display Cost																			
Recurring Cost																			
2.1.1) LEP- SY080		-	-	0.000	-	-	-	-	-	-	3,510.00	318	1.116	-	-	-	3,510.00	318	1.116
2.1.2) JHMCS Night Vision - SY215 <sup>(4)</sup>		-	-	0.000	-	-	-	-	-	-	250,416.67	72	18.030	-	-	-	250,416.67	72	18.030
2.1.3) FDC - SY505 <sup>(5)</sup>		-	-	0.000	-	-	-	-	-	-	2,570.00	2,207	5.672	-	-	-	2,570.00	2,207	5.672
2.1.4) EKB - SY450		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.5) EVA - SY217		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	24.818	-	-	-	-	-	24.818
Subtotal: Hardware - Helmets, Hearing and Display Cost		-	-	0.000	-	-	-	-	-	-	-	-	24.818	-	-	-	-	-	24.818
Hardware - Life Support Systems Cost																			
Recurring Cost																			
3.1.1) AE - SY125		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
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	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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 - Life Support Systems Cost																			
Support - Production Support Cost																			
4.1) Survival Electronics - SY830		-	-	0.000	-	-	-	-	-	-	-	-	0.192	-	-	-	-	-	0.192
4.2) Helmets, Hearing and Displays - SY830		-	-	0.000	-	-	-	-	-	-	-	-	5.348	-	-	-	-	-	5.348
4.3) Life Support Systems - SY830		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Support Cost		-	-	0.000	-	-	-	-	-	-	-	-	5.540	-	-	-	-	-	5.540
Gross/Weapon System Cost		-	-	0.000	-	-	-	-	-	-	-	-	30.762	-	-	-	-	-	30.762
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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																			
2.1.1) LEP- SY080		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.2) JHMCS Night Vision - SY215		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.3) FDC - SY505		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.4) EKB - SY450		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.5) EVA - SY217		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Helmets, Hearing and Display Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Life Support Systems Cost																			
Recurring Cost																			
3.1.1) AE - SY125		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis: PB 2015 Navy</b>															<b>Date:</b> March 2014				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4268 / Aviation Support Equipment							<b>Item Number / Title [DODIC]:</b> 1 / Aviation Life Support				
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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 - Life Support Systems Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Support Cost																			
4.1) Survival Electronics - SY830		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) Helmets, Hearing and Displays - SY830		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.3) Life Support Systems - SY830		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Production Support Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Footnotes:**

- (4) SY215 JHMCS: Increased by \$6.478 in FY15 to support urgent fleet requirements.
- (5) SY505 FDC: Unit cost and quantities vary depending on mix of DHP, THP and improved cranials being procured.

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Exhibit P-5, Cost Analysis: PB 2015 Navy										Date: March 2014									
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									
Resource Summary		Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total						
Procurement Quantity <i>(Units in Each)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Cost <i>(\$ in Millions)</i>		0.000	-	-	7.746	-	7.746	-	-	-	-	-	-						
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) <i>(\$ in Millions)</i>		0.000	-	-	7.746	-	7.746	-	-	-	-	-	-						
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority <i>(\$ in Millions)</i>		0.000	-	-	7.746	-	7.746	-	-	-	-	-	-						
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
# The FY 2015 OCO Request will be submitted at a later date.																			
Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 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	-	-	-	3,762.02	1,622	6.102
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	6.102	-	-	-	-	-	6.102
Subtotal: Hardware - Hardware PEMA Cost		-	-	0.000	-	-	-	-	-	-	-	-	6.102	-	-	-	-	-	6.102
Support - Production Cost																			
2.1) S6820 Portable Electronic Maintenance Aids (PEMAs) Support		-	-	0.000	-	-	-	-	-	-	-	-	1.644	-	-	-	-	-	1.644
Subtotal: Support - Production Cost		-	-	0.000	-	-	-	-	-	-	-	-	1.644	-	-	-	-	-	1.644
Gross/Weapon System Cost		-	-	0.000	-	-	-	-	-	-	-	-	7.746	-	-	-	-	-	7.746
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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																			



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<b>Exhibit P-5, Cost Analysis:</b> PB 2015 Navy												<b>Date:</b> March 2014							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3								<b>P-1 Line Item Number / Title:</b> 4268 / Aviation Support Equipment								<b>Item Number / Title [DODIC]:</b> 2 / Portable Electronic Maintenance Aids			

Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			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)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - Hardware PEMA Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Production Cost																			
2.1) S6820 Portable Electronic Maintenance Aids (PEMAs) Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Production Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Gross/Weapon System Cost</b>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**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.

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy		<b>Date:</b> March 2014
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3	<b>P-1 Line Item Number / Title:</b> 4268 / Aviation Support Equipment	<b>Modification Number / Title:</b> 1 / ALIS SHIP INSTALLATION

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO <sup>#</sup>	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	-	-	6.016	-	6.016	3.946	2.262	4.122	3.969	9.408	29.723
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) ( <i>\$ in Millions</i> )	0.000	-	-	6.016	-	6.016	3.946	2.262	4.122	3.969	9.408	29.723
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority ( <i>\$ in Millions</i> )	0.000	-	-	6.016	-	6.016	3.946	2.262	4.122	3.969	9.408	29.723
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost ( <i>\$ in Dollars</i> )	-	-	-	-	-	-	-	-	-	-	-	-

<sup>#</sup> The FY 2015 OCO Request will be submitted at a later date.

**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.

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Exhibit P-3a, Individual Modification Information: PB 2015 Navy									Date: March 2014				
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 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	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 <sup>(6)</sup>	- / -	- / -	- / -	4 / 0.160	- / -	4 / 0.160	2 / 0.080	- / -	2 / 0.080	2 / 0.080	3 / 0.120	13 / 0.520	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 0.160	- / -	- / 0.160	- / 0.080	- / -	- / 0.080	- / 0.080	- / 0.120	- / 0.520	
Subtotal: ALIS SHIP INSTALLATION	- / -	- / -	- / -	4 / 0.160	- / -	4 / 0.160	2 / 0.080	- / -	2 / 0.080	2 / 0.080	3 / 0.120	13 / 0.520	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 0.160	- / -	- / 0.160	- / 0.080	- / -	- / 0.080	- / 0.080	- / 0.120	- / 0.520	
Support (All Modification Items)													
2.1) ALIS - Program Support	- / 0.000	- / -	- / -	- / 0.830	- / -	- / 0.830	- / 0.865	- / 0.861	- / 0.843	- / 0.842	- / 2.982	- / 7.223	
2.2) ALIS - Production Engineering Support	- / 0.000	- / -	- / -	- / 1.049	- / -	- / 1.049	- / 1.049	- / 1.049	- / 1.049	- / 1.049	- / 3.147	- / 8.392	
Subtotal: Support	- / 0.000	- / -	- / -	- / 1.879	- / -	- / 1.879	- / 1.914	- / 1.910	- / 1.892	- / 1.891	- / 6.129	- / 15.615	
Installation													
Modification Item 1 of 1: ALIS SHIP INSTALLATION	- / 0.000	- / -	- / -	- / 3.977	- / -	- / 3.977	- / 1.952	- / 0.352	- / 2.150	- / 1.998	- / 3.159	- / 13.588	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 3.977	- / -	- / 3.977	- / 1.952	- / 0.352	- / 2.150	- / 1.998	- / 3.159	- / 13.588	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	6.016	-	6.016	3.946	2.262	4.122	3.969	9.408	29.723	

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<b>Exhibit P-3a, Individual Modification:</b> PB 2015 Navy							<b>Date:</b> March 2014																								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1810N / 03 / 3				<b>P-1 Line Item Number / Title:</b> 4268 / Aviation Support Equipment				<b>Modification Number / Title:</b> 1 / ALIS SHIP INSTALLATION																							
<b>Modification Item 1 of 1:</b> ALIS SHIP INSTALLATION																															
<b>Modification Item MDAP/MAIS Code:</b>																															
<b>Manufacturer Information</b>																															
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																								
<b>Dates</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>																								
Contract Dates			Dec 2014	Dec 2015		Dec 2017	Dec 2018																								
Delivery Dates			Apr 2015	Apr 2016		Apr 2018	Apr 2019																								
<b>Installation Information</b>																															
<b>Method of Implementation:</b> [none specified] : Installation Name: Installation Material																															
<b>Installation Cost</b>	<b>Prior Years</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015 Base</b>	<b>FY 2015 OCO</b>	<b>FY 2015 Total</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>To Complete</b>	<b>Total</b>																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015	- / -	- / -	- / -	4 / 3.977	- / -	4 / 3.977	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.977																		
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.952	- / -	- / -	- / -	- / -	- / -	2 / 1.952																		
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.352	2 / 2.150	- / -	- / -	- / -	2 / 2.502																		
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.998	- / -	- / -	2 / 1.998																		
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 3.159	3 / 3.159																			
Total	- / -	- / -	- / -	4 / 3.977	- / -	4 / 3.977	2 / 1.952	- / 0.352	2 / 2.150	2 / 1.998	3 / 3.159	13 / 13.588																			
<b>Installation Schedule</b>																															
	<b>PYS</b>	<b>FY 2013</b>				<b>FY 2014</b>				<b>FY 2015</b>				<b>FY 2016</b>				<b>FY 2017</b>				<b>FY 2018</b>				<b>FY 2019</b>				<b>TC</b>	<b>Tot</b>
		<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>		
In	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	1	1	-	-	-	-	-	-	2	-	-	-	2	-	3	13
Out	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	1	1	-	-	-	-	-	-	2	-	-	-	2	3	13
<b>Footnotes:</b> (6) FY 2017 requested funding is to support Design Support Activity efforts for installation of ALIS in FY 2018.																															