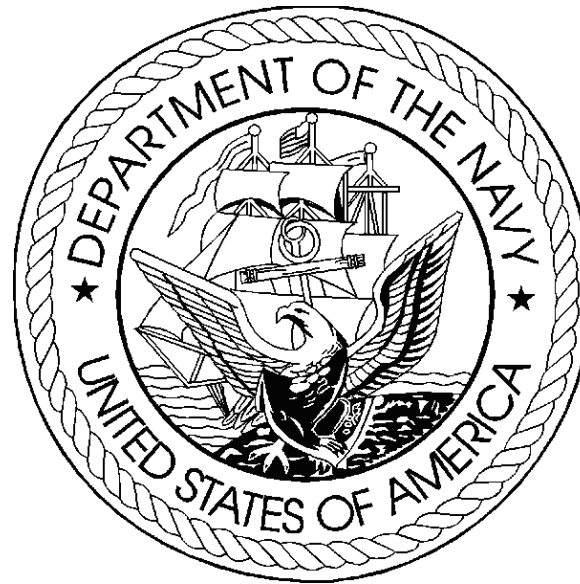


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**Department of Defense
Fiscal Year (FY) 2015 Budget Estimates**

March 2014



Navy

Justification Book Volume 1

Other Procurement, Navy

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Navy • Budget Estimates FY 2015 • Procurement

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Department of Defense Appropriations Act, 2015

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

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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: 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
Exhibit P-1 FY 2015 President's Budget
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
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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
FY 2015 President's Budget
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Total Obligational Authority
(Dollars in Thousands)

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Appropriation: 1810N Other Procurement, Navy

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

20 Feb 2014

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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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Department of the Navy
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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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Department of the Navy
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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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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

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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
FY 2015 President's Budget
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20 Feb 2014

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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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Department of the Navy
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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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Department of the Navy
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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 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 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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CG Modernization	0960	21	01	09.....	Volume 1 - 337
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Command and Control Switchboard	0925	9	01	09.....	Volume 1 - 163
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Deep Subm Sys Proj (DSSP) Equip	0955	20	01	09.....	Volume 1 - 333
Diving and Salvage Equipment	1130	29	01	11.....	Volume 1 - 479
Firefighting Equipment	0910	8	01	09.....	Volume 1 - 147
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LPD Class Support Equipment	0946	17	01	09.....	Volume 1 - 293
LSD Midlife	1610	39	01	16.....	Volume 1 - 541
Nuclear Alterations	1480	33	01	15.....	Volume 1 - 513
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Submarine Support Equipment	0941	13	01	09.....	Volume 1 - 221
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Line Item Title	Line Item Number	Line #	BA	BSA	Page
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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 01: Ships Support Equipment / BSA 1: Ship Propulsion Equipment							P-1 Line Item Number / Title: 0110 / LM-2500 Gas Turbine					
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>)	120.922	9.893	10.180	7.822	-	7.822	8.541	9.978	14.847	15.176	66.118	263.477
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	120.922	9.893	10.180	7.822	-	7.822	8.541	9.978	14.847	15.176	66.118	263.477
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	120.922	9.893	10.180	7.822	-	7.822	8.541	9.978	14.847	15.176	66.118	263.477
<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: PROGRAM DESCRIPTION/JUSTIFICATION: The LM2500 Marine Gas Turbine and its associated Engineering Control Systems provide main propulsion for the Navy's surface combatants including the FFG 7 OLIVER HAZARD PERRY Class, CG 47 TICONDEROGA Class, DDG 51 ARLEIGH BURKE Class, and LCS Class. The LM2500 is composed of two major sub-assemblies: the gas generator and power turbine sections. It is coupled to the ship drive-train by a high speed coupling shaft. The control system provides for both local and remote engine operations. The budget funds the following: [P40A / GA009 MODIFICATION PROGRAM]: GA009 - MODIFICATION KIT PROGRAM This cost code procures modification kits listed below for the LM2500 Gas Turbine Engine. These modifications increase reliability and fleet readiness through component upgrades which improves the Mean Time Between Failure (MTBF). The modification kits are procured based on historical usage rates, re-packaged into individual kits, and sent to either a depot to be installed during engine overhauls or to Regional Maintenance Centers for installation. No procurement quantities are a result of procuring various kits of various costs. The kits included in the cost code are as follows: --Accelerometers (Vibration Monitor) -- Compressor Rear Frame Mid-flange Fastener installation -- C-Sump Lubrication Supply Line -- Power Turbine Upgraded Speed Sensor -- Improved Drain Shutoff Valve -- Turbine Mid-Frame Modification -- 7B Piping Modification --5-Element to 6-Element Pump Conversion --T5.4 Flexible Thermo Harness --Mid Flange Fastener [P40A / GA010 GAS GENERATOR]: GA010 - GAS GENERATOR This cost code procures the LM2500 single shank propulsion gas turbine for the DDG-51 & LCS-2 class ships and the LM2500+ single shank propulsion gas turbine for the LHD8/LHA6 class ships. The programs projected FY-14 in-service population of single shank propulsion gas turbine engines is 340, increasing to 382 in FY-18 due to new construction. Breakdown of ship class spare procurement is listed below. The procurement of these engines includes all required shipping/storage containers. LM2500 gas generator procurements are presently scheduled to occur every other year. Growth in the GA010 cost item from FY-14 to FY-15 is attributable to the fact that no procurements are scheduled for FY-14.												

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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 01: Ships Support Equipment / BSA 1: Ship Propulsion Equipment		P-1 Line Item Number / Title: 0110 / LM-2500 Gas Turbine
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
DDG LM2500 Single Shank Based on experience with 35 years of usage demand data on the LM2500 Engine and IAW 10 USC Sec. 2308, DFAR subpart 207.70 and DoDI 3110.06, a total of 36 spares are required to support the fleet requirements. Current onhand is 28 with one (1) budgeted for FY-15 leaving a requirement for seven (7) additional gas generator units to be procured IAW projected class population in FY19. LCS 2 LM2500 Single Shank Spare turbines Based on experience with 35 years of usage demand data on the LM2500 Engine and IAW 10 USC Sec. 2308, DFAR subpart 207.70 and DoDI 3110.06, a total of 3 spares are required to support the fleet requirements. Current onhand is 1 with one (1) procured in May FY12 which leaves the requirement for one (1) additional gas generator unit to be procured IAW projected class population in FY19. LHD8/LHA6 LM2500+ Single Shank Spare turbines Based on experience with 35 years of usage demand data on the LM2500 Engine and IAW 10 USC Sec. 2308, DFAR subpart 207.70 and DoDI 3110.06, a total of 2 spares are required to support the fleet requirements. Current onhand is 1, which leaves the requirement for one (1) additional gas generator to be procured IAW projected class population as of FY18. The program has budgeted to procure one (1) LM2500+ Engine and one (1) Power Turbine Assembly in FY18 to meet the baseline requirement. This engine represents a significantly different configuration than the standard LM2500 Single Shank Engine procured in previous fiscal years. LM2500 Hot Section Kits Are procured as required from the below list per quarterly failure analysis and maintained to replace High Pressure Turbine (HPT) components beyond economical repair (BER). Shortages of replacement blades increase engine repair turn-around time (RTAT) during engine refurbishment/repair as a result of material shortages. Procurement quantities are a result of procuring various kits of various costs. The kits included in the cost code are as follows: --HPT Shrouds --HPT Seal Assembly --HPT Blades --HPT Nozzles --Compressor Blades [P40A / GA012 CONTROL SYSTEMS MODIFICATIONS]: GA012 - CONTROL SYSTEM MODIFICATIONS This cost code funds the procurement and installation of the Aft Steering Local Control Unit and Damage Control Hard Drives following control system modifications: Aft steering local control unit single board computers are currently obsolete and require replacement. Installation is required to be completed on 24 ships. Installations do not require CNO availabilities. Installations will be accomplished during pier side availability by NSWCCD Philadelphia. There are 4 kits required per ship. The kits include the following hardware: single board computer, daughter board, transceiver, power cables, and associated software packages. Current Damage Control Workstation hard drives are currently obsolete and require replacement. In order to maintain commonality in configuration a one-time bulk buy in FY12 is required as vendor is phasing-out the production of this unit. Installation is required to be completed on 24 ships. There are seven (7) hard drives required per ship. Installations do not require CNO availabilities. Installations will be accomplished during pier side availability by NSWCCD Philadelphia. [P40A / GA015 LM2500 DIGITAL FUEL CONTROL]: GA015 - DIGITAL FUEL CONTROL (DFC) This cost code procures the Digital Fuel Control (DFC) shipsets, ancillary equipment and install material to support the CG/DDG modernization schedules. Procurement and installations are budgeted to correspond with CNO ship availabilities. One DFC Kit is required to upgrade each of the four LM2500 engines, which makes one DFC shipset. Each shipset requires up to a 12 month lead time due to contracting process, production, assembly and shipping. The DFC is the most significant change to the LM2500 engine since its inception into the USN that addresses obsolescence components which accounted for approximately 40% of all engine failures. This modification is estimated to be 75% more reliable than the old system. This upgrade replaces the existing Hydro-mechanical main fuel control (MFC) system which was designed for aircraft; with a Digital Fuel Control (DFC) system designed for military marine environment. This modification increases engine reliability, decreases periodic maintenance, enhances operational functions, and provides an automatic stall detection and shutdown capability.		

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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 01: Ships Support Equipment / BSA 1: Ship Propulsion Equipment		P-1 Line Item Number / Title: 0110 / LM-2500 Gas Turbine
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
[P40A / GA016 MANAGEMENT ENERGY INITIATIVES]: GA016 - MANAGEMENT ENERGY INITIATIVES This cost code procures the materials and funds installation of the LM2500 energy initiatives, which include online waterwash and LM-2500 fuel efficiency improvements: FY15 funds for energy initiatives realigned to Surface Combatant HM&E, Ships Support Equipment and Maritime Energy Initiatives (BLI 0200, L7027) to more effectively meet the Departments energy initiatives goals. FY14 funding is budgeted to support the following two efforts in support of energy initiatives. Online waterwash Shipboard evaluation showed no measurable gains in operating efficiency or operating cost reduction; the project has been cancelled and test installations shall be removed. FY14 has been budgeted to restore the three evaluation hulls to their original configuration. DDG-51 Thermal Management Control System (TMCS) DDG-51 TMCS is considered a key energy conservation measure in the overall TFE Maritime Energy Portfolio. It improves energy efficiency by reducing cooling need from A/C plants and limiting excess heat with electric preheaters. It also allows the redirection from non-vital to vital loads during casualty situations. The DDG-51 TMCS was developed under the Fleet Readiness R&D Program and was successfully tested on the USS Kidd (DDG-100) in FY11-FY13. TMCS includes replacement of 129 thermostats with default temperature set points for each space based on manned/unmanned, day/night, in port/at sea, and summer and winter. Space temperatures are controlled remotely from CCS and the Engineering Log Room. Installations will occur during scheduled CNO approved availabilities. [P40A / GA830 PRODUCTION ENGINEERING]: GA830 - PRODUCTION ENGINEERING The review and approval of any production contract technical documentation, or the separate development of this documentation to include Technical Manuals, Signal Flow Diagrams, Planned Maintenance System (PMS), Level III Production Drawings, Provisioning Technical Documentation (PTD), Program Support Data, Allowance Parts Lists (APL's) and engineering in support of final design reviews. [P3A / GA015 DIGITAL FUEL CONTROL SHIPSET]: GA015 - DIGITAL FUEL CONTROL (DFC) This cost code procures the Digital Fuel Control (DFC) shipsets, ancillary equipment and install material to support the CG/DDG modernization schedules. One DFC Kit is required to upgrade each of the four DDG class LM2500 engines, which makes one DFC shipset. Each shipset requires up to a 12 month lead time due to contracting process, production, assembly and shipping. One additional Digital Fuel Control (DFC) kit will be procured for the one LM2500 Engine Trainer at the Naval Training Center, Great Lakes to maintain a common configuration with the fleet. The DFC is the most significant change to the LM2500 engine since its inception into the USN that addresses obsolescence components which accounted for approximately 40% of all engine failures. In summary this modification is estimated to be 75% more reliable than the old system. This upgrade replaces the existing Hydro-mechanical main fuel control (MFC) system which was designed for aircraft; with a Digital Fuel Control (DFC) system designed for military marine environment. This modification increases engine reliability, decreases periodic maintenance, enhances operational functions, and provides an automatic stall detection and shutdown capability. FY15 DFC ship-set procurement cost updated based on actual prior year contract award prices. GA6IN - INSTALLATION FOR DIGITAL FUEL CONTROL (DFC) GA015 This cost code funds the installation of Cost Code GA015-Digital Fuel Control (DFC) shipsets as part of the CG/DDG HM&E modernization program. This includes pre-assembly at NSWCCD Philadelphia, shipping to installation location, shipboard installation, training, post installation operational testing and associated travel cost.		

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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 01: Ships Support Equipment / BSA 1: Ship Propulsion Equipment										P-1 Line Item Number / Title: 0110 / LM-2500 Gas Turbine									
ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:					Other Related Program Elements:									

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)
LM-2500 Gas Turbine	P-40a		-	-	86.051	-	-	6.216	-	-	5.006	-	-	2.027	-	-	-	-	-	2.027
P-3a - 1 / GA015 - LM2500 GAS TURBINE DIGITAL FUEL CONTROL	P-3a		-	-	34.871	-	-	3.677	-	-	5.174	-	-	5.795	-	-	-	-	-	5.795
Total Gross/Weapon System Cost			-	-	120.922	-	-	9.893	-	-	10.180	-	-	7.822	-	-	-	-	-	7.822

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)
LM-2500 Gas Turbine	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / GA015 - LM2500 GAS TURBINE DIGITAL FUEL CONTROL	P-3a		-	-	7.808	-	-	5.603	-	-	5.639	-	-	13.248	-	-	32.637	-	-	114.452
Total Gross/Weapon System Cost			-	-	8.541	-	-	9.978	-	-	14.847	-	-	15.176	-	-	66.118	-	-	263.477

*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.

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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 / 01 / 1								P-1 Line Item Number / Title: 0110 / LM-2500 Gas Turbine							Aggregated Items Title: LM-2500 Gas Turbine					
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) GA009 MODIFICATION PROGRAM																				
1.1) MODIFICATION KIT PROGRAM	A		-	-	28.358	-	-	0.588	-	-	0.579	-	-	0.490	-	-	-	-	-	0.490
Subtotal: 1) GA009 MODIFICATION PROGRAM			-	-	28.358	-	-	0.588	-	-	0.579	-	-	0.490	-	-	-	-	-	0.490
2) GA010 GAS GENERATOR ⁽¹⁾																				
2.1) GAS GENERATOR	A		17,751K	2	35.502	3,905K	1	3.905	-	-	-	-	-	-	-	-	-	-	-	-
2.2) LHD/LHA6 LM2500+	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) LM 2500 HOT SECTION KITS	A		-	-	3.623	-	-	0.573	-	-	1.580	-	-	1.208	-	-	-	-	-	1.208
Subtotal: 2) GA010 GAS GENERATOR			-	-	39.125	-	-	4.478	-	-	1.580	-	-	1.208	-	-	-	-	-	1.208
3) GA012 CONTROL SYSTEMS MODIFICATIONS																				
3.1) CONTROL SYSTEMS MODIFICATIONS	A		-	-	14.549	-	-	0.200	-	-	0.168	-	-	0.110	-	-	-	-	-	0.110
Subtotal: 3) GA012 CONTROL SYSTEMS MODIFICATIONS			-	-	14.549	-	-	0.200	-	-	0.168	-	-	0.110	-	-	-	-	-	0.110
4) GA015 LM2500 DIGITAL FUEL CONTROL																				
4.1) ANCILLARY EQUIPMENT/ INSTALLATION MATERIALS	A		-	-	0.072	-	-	0.096	-	-	0.074	-	-	0.099	-	-	-	-	-	0.099
Subtotal: 4) GA015 LM2500 DIGITAL FUEL CONTROL			-	-	0.072	-	-	0.096	-	-	0.074	-	-	0.099	-	-	-	-	-	0.099
5) GA016 MANAGEMENT ENERGY INITIATIVES ⁽²⁾																				
5.1) ONLINE WATERWASH GTM	A		97,000.00	2	0.194	-	-	0.654	-	-	0.905	-	-	-	-	-	-	-	-	-
5.2) LM 2500 FUEL EFFICIENCY IMPROVEMENTS	A		-	-	-	-	-	-	-	-	1.500	-	-	-	-	-	-	-	-	-
Subtotal: 5) GA016 MANAGEMENT ENERGY INITIATIVES			-	-	0.194	-	-	0.654	-	-	2.405	-	-	-	-	-	-	-	-	-
6) GA830 PRODUCTION ENGINEERING																				
6.1) PRODUCTION ENGINEERING	A		-	-	3.753	-	-	0.200	-	-	0.200	-	-	0.120	-	-	-	-	-	0.120
Subtotal: 6) GA830 PRODUCTION ENGINEERING			-	-	3.753	-	-	0.200	-	-	0.200	-	-	0.120	-	-	-	-	-	0.120

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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 / 01 / 1						P-1 Line Item Number / Title: 0110 / LM-2500 Gas Turbine						Aggregated Items Title: LM-2500 Gas Turbine								
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)
Total			-	-	86.051	-	-	6.216	-	-	5.006	-	-	2.027	-	-	-	-	-	2.027

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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 / 01 / 1								P-1 Line Item Number / Title: 0110 / LM-2500 Gas Turbine							Aggregated Items Title: LM-2500 Gas Turbine						
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) GA009 MODIFICATION PROGRAM																					
1.1) MODIFICATION KIT PROGRAM	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1) GA009 MODIFICATION PROGRAM			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2) GA010 GAS GENERATOR ⁽¹⁾																					
2.1) GAS GENERATOR	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.2) LHD/LHA6 LM2500+	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.3) LM 2500 HOT SECTION KITS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2) GA010 GAS GENERATOR			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3) GA012 CONTROL SYSTEMS MODIFICATIONS																					
3.1) CONTROL SYSTEMS MODIFICATIONS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 3) GA012 CONTROL SYSTEMS MODIFICATIONS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4) GA015 LM2500 DIGITAL FUEL CONTROL																					
4.1) ANCILLARY EQUIPMENT/ INSTALLATION MATERIALS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 4) GA015 LM2500 DIGITAL FUEL CONTROL			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5) GA016 MANAGEMENT ENERGY INITIATIVES ⁽²⁾																					
5.1) ONLINE WATERWASH GTM	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.2) LM 2500 FUEL EFFICIENCY IMPROVEMENTS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 5) GA016 MANAGEMENT ENERGY INITIATIVES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6) GA830 PRODUCTION ENGINEERING																					
6.1) PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 6) GA830 PRODUCTION ENGINEERING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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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 / 01 / 1						P-1 Line Item Number / Title: 0110 / LM-2500 Gas Turbine						Aggregated Items Title: LM-2500 Gas Turbine								
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)
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

- (1) * The cost estimates for the LM2500 engine procurements between FY14-FY19 are based on the Rough Order of Magnitude pricing provided by General Electric. The program will update the actual costs during the FY the contract is awarded. FY 2013 reductions include sequestration, general, and other rate/miscellaneous adjustments. FY 2015 funding reduced to properly phase program requirements in accordance with expenditures.
- (2) FY15 funds for energy initiatives realigned to Surface Combatant HM&E, Ships Support Equipment and Maritime Energy Initiatives (BLI 0200, L7027) to more effectively meet the Departments energy initiatives goals.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 1	P-1 Line Item Number / Title: 0110 / LM-2500 Gas Turbine	Modification Number / Title: 1 / GA015 - LM2500 GAS TURBINE DIGITAL FUEL CONTROL

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>)	34.871	3.677	5.174	5.795	-	5.795	7.808	5.603	5.639	13.248	32.637	114.452
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	34.871	3.677	5.174	5.795	-	5.795	7.808	5.603	5.639	13.248	32.637	114.452
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	34.871	3.677	5.174	5.795	-	5.795	7.808	5.603	5.639	13.248	32.637	114.452
(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:

[GA015 DIGITAL FUEL CONTROL SHIPSET] This cost code procures the Digital Fuel Control (DFC) shipsets, ancillary equipment and install material to support the CG/DDG modernization schedules.

One DFC Kit is required to upgrade each of the four DDG class LM2500 engines, which makes one DFC shipset. Each shipset requires up to a 12 month lead time due to contracting process, production, assembly and shipping.

The DFC is the most significant change to the LM2500 engine since its inception into the USN that addresses obsolescence components which accounted for approximately 40% of all engine failures. In summary this modification is estimated to be 75% more reliable than old system.

This upgrade replaces the existing Hydro-mechanical main fuel control (MFC) system which was designed for aircraft; with a Digital Fuel Control (DFC) system designed for military marine environment. This modification increases engine reliability, decreases periodic maintenance, enhances operational functions, and provides an automatic stall detection and shutdown capability.

FY15 DFC ship-set procurement cost updated based on actual prior year contract award prices.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 1					P-1 Line Item Number / Title: 0110 / LM-2500 Gas Turbine					Modification Number / Title: 1 / GA015 - LM2500 GAS TURBINE DIGITAL FUEL CONTROL			
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> GA015 - LM2500 GAS TURBINE DIGITAL FUEL CONTROL													
B Kits													
Recurring													
1.1.1) GA015 DIGITAL FUEL CONTROL SHIPSET - NonOrganic ⁽³⁾	33 / 34.561	2 / 3.165	3 / 4.818	3 / 5.239	- / -	3 / 5.239	4 / 7.280	3 / 5.039	3 / 5.114	6 / 12.713	15 / 27.951	72 / 105.880	
<i>Subtotal: Recurring</i>	- / 34.561	- / 3.165	- / 4.818	- / 5.239	- / -	- / 5.239	- / 7.280	- / 5.039	- / 5.114	- / 12.713	- / 27.951	- / 105.880	
<i>Subtotal: GA015 - LM2500 GAS TURBINE DIGITAL FUEL CONTROL</i>	33 / 34.561	2 / 3.165	3 / 4.818	3 / 5.239	- / -	3 / 5.239	4 / 7.280	3 / 5.039	3 / 5.114	6 / 12.713	15 / 27.951	72 / 105.880	
<i>Subtotal: Procurement, All Modification Items</i>	- / 34.561	- / 3.165	- / 4.818	- / 5.239	- / -	- / 5.239	- / 7.280	- / 5.039	- / 5.114	- / 12.713	- / 27.951	- / 105.880	
Installation													
<i>Modification Item 1 of 1:</i> GA015 - LM2500 GAS TURBINE DIGITAL FUEL CONTROL	- / 0.310	- / 0.512	- / 0.356	- / 0.556	- / -	- / 0.556	- / 0.528	- / 0.564	- / 0.525	- / 0.535	- / 4.686	- / 8.572	
<i>Subtotal: Installation</i>	- / 0.310	- / 0.512	- / 0.356	- / 0.556	- / -	- / 0.556	- / 0.528	- / 0.564	- / 0.525	- / 0.535	- / 4.686	- / 8.572	
Total													
Total Cost (Procurement + Support + Installation)	34.871	3.677	5.174	5.795	-	5.795	7.808	5.603	5.639	13.248	32.637	114.452	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 1										P-1 Line Item Number / Title: 0110 / LM-2500 Gas Turbine										Modification Number / Title: 1 / GA015 - LM2500 GAS TURBINE DIGITAL FUEL CONTROL											
Modification Item 1 of 1: GA015 - LM2500 GAS TURBINE DIGITAL FUEL CONTROL																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: General Electric ⁽⁴⁾														Manufacturer Location: >Cincinnati, OH																	
Administrative Leadtime (in Months): 2														Production Leadtime (in Months): 10																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Feb 2013				Feb 2014				Feb 2015				Feb 2016				Feb 2017				Feb 2018				Feb 2019					
Delivery Dates		Dec 2013				Dec 2014				Dec 2015				Dec 2016				Dec 2017				Dec 2018				Dec 2019					
Installation Information																															
Method of Implementation: GOVERNMENT AND AIT : Installation Name: GA015 DIGITAL FUEL CONTROL SHIPSET																															
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		30 / 0.310		3 / 0.512		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		33 / 0.822					
FY 2013		- / -		- / -		2 / 0.356		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.356					
FY 2014		- / -		- / -		- / -		3 / 0.556		- / -		3 / 0.556		- / -		- / -		- / -		- / -		- / -		- / -		3 / 0.556					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		3 / 0.528		- / -		- / -		- / -		- / -		- / -		3 / 0.528					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 0.564		- / -		- / -		- / -		- / -		4 / 0.564					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		3 / 0.525		- / -		- / -		- / -		3 / 0.525					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		3 / 0.535		- / -		- / -		3 / 0.535					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 0.849		- / -		6 / 0.849					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		15 / 3.837		- / -		15 / 3.837					
Total		30 / 0.310		3 / 0.512		2 / 0.356		3 / 0.556		- / -		3 / 0.556		3 / 0.528		4 / 0.564		3 / 0.525		3 / 0.535		21 / 4.686		- / -		72 / 8.572					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot
In	30	-	2	1	-	-	1	-	1	-	1	2	-	-	2	1	-	-	1	3	-	-	2	1	-	2	1	-	-	21	72
Out	30	-	2	1	-	-	1	-	1	-	1	2	-	-	2	1	-	-	1	3	-	-	2	1	-	2	1	-	-	21	72
Footnotes: ⁽³⁾ FY15 DFC ship-set procurement cost updated based on actual prior year contract award prices. ⁽⁴⁾ Production lead time takes up to 12 months																															

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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 01: Ships Support Equipment / BSA 1: Ship Propulsion Equipment						P-1 Line Item Number / Title: 0120 / Allison 501K Gas Turbine						
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>)	139.479	3.724	5.536	2.155	-	2.155	6.191	6.311	29.257	29.822	45.392	267.867
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	139.479	3.724	5.536	2.155	-	2.155	6.191	6.311	29.257	29.822	45.392	267.867
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	139.479	3.724	5.536	2.155	-	2.155	6.191	6.311	29.257	29.822	45.392	267.867
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
# The FY 2015 OCO Request will be submitted at a later date.												
Description:												
This program provides the life-cycle support for the following Marine Gas Turbine systems: The Rolls Royce (Allison) 501-K Series Gas Turbines are used to drive electrical generators in Ship Service Gas Turbine Generators (SSGTG). The 501-K17 is used on the CG-47 Class ships. The 501-K34 is an upgraded version used on the DDG-51 Class ships and is not interchangeable with the 501-K17. The Rolls Royce MT-30 are used on LCS-1 variant for main propulsion and DDG 1000 for electrical generation. Rolls Royce 250-KS4 is used as a starter gas turbine for the 501-K34 on DDG 79 and follow.												
[P40A / GF001 STOCK ROTATING SPARES]: GF001 - STOCK ROTATING SPARES												
This cost code procures the MT-30 & MT-5 gas turbines for the Littoral Combat Ship (LCS) and Zumwalt DDG 1000 program, the 250-KS4 SSGTG starter engines for the DDG 79 and follow, and the 501-K34 gas turbines DDG 51 class ships. The procurement of these engines includes all required shipping/storage containers.												
MT-30 Gas Turbines												
Based on experience with similar turbines and IAW 10 USC Sec. 2308, DFAR subpart 207.70 and DoDI 3110.06, a total of 5 spares are required to support the fleet. Current MT-30 spares on-hand is two (2), one (1) budgeted procurement in FY18 leaves a requirement of 2 additional gas turbines to be procured. The projected FY-20 and beyond in-service population of MT-30 gas turbine engines is fifty (50) due to new construction.												
MT-5 Gas Turbines												
Based on experience with similar turbines and IAW 10 USC Sec. 2308, DFAR subpart 207.70 and DoDI 3110.06, a total of 2 spares are required to support the fleet. Current MT-5 spares on-hand is zero (0) with one (1) budgeted procurement in FY18 leaves a requirement of 1 additional gas turbines to be procured. The projected FY-20 and beyond in-service population of MT-5 gas turbine engines is six (6) due to new construction.												
250-KS4 SSGTG Starter Engines												
Based on experience with similar turbines and IAW 10 USC Sec. 2308, DFAR subpart 207.70 and DoDI 3110.06, a total of 12 spares are required to support the fleet requirements. Current spares on-hand is twelve (12) which achieves the baseline sparing requirement. The projected FY-18 in-service population of starter engines is 112 due to new construction. Operation Tomodachi has resulted in the radiological contamination of twelve (12) 250-KS4 Marine Gas Turbines, which created an unplanned requirement to replace the twelve (12) affected engines beginning in FY13. Currently, the program has budgeted for six (6) replacements through FY20 leaving a requirement of six (6) additional replacement assets to be 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 01: Ships Support Equipment / BSA 1: Ship Propulsion Equipment		P-1 Line Item Number / Title: 0120 / Allison 501K Gas Turbine
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
501-K34 Gas Turbines Based on experience with similar turbines and IAW 10 USC Sec. 2308, DFAR subpart 207.70 and DoDI 3110.06, a total of 24 spares are required to support the fleet requirements. Current 501-K34 spares on-hand is 20 and 2 procured in FY-12, which leaves a requirement of 2 additional gas generator units to be procured. The projected FY-19 in-service population of gas turbine engines is 192, an increase from 186 in FY-12 due to new construction. [P40A / GF007 MODIFICATION PROGRAM]: GF007 - MODIFICATION PROGRAM This cost code procures modification kits listed below for the Rolls Royce Marine Gas Turbines (MGT). Analysis of Rolls Royce MGT engineering performance data, metrics, the SEA 21 Top Tech Issues and the component improvement program has identified necessary improvements to correct Rolls Royce MGT deficiencies. The modifications addresses the Fleet's top maintenance and reliability issues by reducing failure rates of system components, and improve Rolls Royce MGT readiness. The modification kits are packaged and shipped to the ship for installation during schedule CNO availability by a team of NSWCCD Philadelphia and Alteration Installation Team (AIT) personnel. No procurement quantities are a result of procuring various kits of various costs. The kits included in the cost code are as follows: --Engine Vibration Monitor --GTG Intake Filter System Replacement --SSGTG Bleed Air Control Valve Installation and Improvement --SSS Clutch upgrade to Air Turbine Starter (ATS) --SSGTG FADC 2-1 HMI Computer Conversion --SSGTG RIMSS Exhaust Backflow Detection System --Output Quill Shaft Bolt Replacement --RIMSS Tachometer Connector Improvement --Model 139 SSV and Off Mounted fuel Mod -- FADC upgrdae conversion [P40A / GF018 501 K-34 HOT SECTION REPLACEMENT]: GF018 - HOT SECTION REPLACEMENT This cost code procures High Pressure Turbine (HPT) components to supplement fall-out due to radiological contamination resultant from support of Operational Tomodachi. No procurement quantities are a result of procuring various kits of various costs. The kits included in the cost code are as follows: Blade Stage Kits T1, T2, T3 and T4 Vane Stage Kits T1, T2, T3 and T4 [P40A / GF020 MANAGEMENT ENERGY INITIATIVES]: FY15 funds for energy initiatives realigned to Surface Combatant HM&E, Ships Support Equipment and Maritime Energy Initiatives (BLI 0200, L7027) to more effectively meet the Departments energy initiatives goals. FY14 funding budgeted to support the following two efforts in support of energy initiatives. Online waterwash Shipboard evaluation showed no measurable gains in operating efficiency or operating cost reduction; the project has been cancelled and test installations shall be removed. FY14 has been budgeted to restore the three evaluation hulls to their original configuration. DDG-51 Thermal Management Control System (TMCS) DDG-51 TMCS is considered a key energy conservation measure in the overall TFE Maritime Energy Portfolio. It improves energy efficiency by reducing cooling need from A/C plants and limiting excess heat with electric preheaters. It also allows the redirection from non-vital to vital loads during casualty situations. The DDG-51 TMCS was developed under the Fleet Readiness R&D Program and was successfully tested on the USS Kidd (DDG-100) in FY11-FY13. TMCS includes replacement of 129 thermostats with default temperature set points for each space based on manned/unmanned, day/night, in port/at sea, and summer and winter. Space temperatures are controlled remotely from CCS and the Engineering Log Room.		

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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 01: Ships Support Equipment / BSA 1: Ship Propulsion Equipment										P-1 Line Item Number / Title: 0120 / Allison 501K Gas Turbine									

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
Installations will occur during scheduled CNO approved availabilities.		

[P40A / GF830 PRODUCTION ENGINEERING]: GF830 - PRODUCTION ENGINEERING

The review and approval of any production contract technical documentation, or the separate development of this documentation to include Technical Manuals, Signal Flow Diagrams, PMS, Level III Production Drawings, Provisioning Technical Documentation (PTD), Program Support Data, Allowance Parts Lists (APL's) and engineering in support of final design reviews. This includes efforts associated with tracking and updating NDE, MGTIS and Weblog to reflect completed installations and ensure consistent documentation for engine configuration management.

[P40A / PRODUCTION ENGINEERING]: The review and approval of any production contract technical documentation, or the separate development of this documentation to include Technical Manuals, Signal Flow Diagrams, PMS, Level III Production Drawings, Provisioning Technical Documentation (PTD), Program Support Data, Allowance Parts Lists (APL's) and engineering in support of final design reviews. This includes efforts associated with tracking and updating NDE, MGTIS and Weblog to reflect completed installations and ensure consistent documentation for engine configuration management.

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)
Allison 501K Gas Turbine	P-40a		-	-	139.479	-	-	3.724	-	-	5.536	-	-	2.155	-	-	-	-	-	2.155
Total Gross/Weapon System Cost			-	-	139.479	-	-	3.724	-	-	5.536	-	-	2.155	-	-	-	-	-	2.155

*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.

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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 / 01 / 1							P-1 Line Item Number / Title: 0120 / Allison 501K Gas Turbine								Aggregated Items Title: Allison 501K Gas Turbine					
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) GF001 STOCK ROTATING SPARES ⁽¹⁾																				
1.1) 501-K34	A		1,942K	11	21.362	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) 250-KS4	A		399,000.00	3	1.197	406,000.00	1	0.406	414,000.00	1	0.414	421,000.00	1	0.421	-	-	-	421,000.00	1	0.421
1.3) MT-30	A		12,500K	1	12.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) MT-5	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) GF001 STOCK ROTATING SPARES			-	-	35.059	-	-	0.406	-	-	0.414	-	-	0.421	-	-	-	-	-	0.421
2) GF007 MODIFICATION PROGRAM																				
2.1) PROCURE MODIFICATION KITS	A		-	-	87.461	-	-	1.665	-	-	0.580	-	-	1.039	-	-	-	-	-	1.039
2.2) INSTALLATION FOR MODIFICATION KITS	A		-	-	0.699	-	-	0.442	-	-	0.440	-	-	0.559	-	-	-	-	-	0.559
Subtotal: 2) GF007 MODIFICATION PROGRAM			-	-	88.160	-	-	2.107	-	-	1.020	-	-	1.598	-	-	-	-	-	1.598
3) GF018 501 K-34 HOT SECTION REPLACEMENT																				
3.1) 501K-34 HOT SECTION REPLACEMENT	A		258,122.45	49	12.648	-	-	0.991	-	-	1.036	-	-	-	-	-	-	-	-	-
Subtotal: 3) GF018 501 K-34 HOT SECTION REPLACEMENT			-	-	12.648	-	-	0.991	-	-	1.036	-	-	-	-	-	-	-	-	-
4) GF020 MANAGEMENT ENERGY INITIATIVES ⁽²⁾																				
4.1) 501K-17/34 3.5 COMPRESSOR UPGRADE	A		-	-	0.587	-	-	-	-	-	2.400	-	-	-	-	-	-	-	-	-
4.2) ONLINE WATERWASH GTG	A		50,000.00	2	0.100	-	-	-	-	-	0.466	-	-	-	-	-	-	-	-	-
Subtotal: 4) GF020 MANAGEMENT ENERGY INITIATIVES			-	-	0.687	-	-	-	-	-	2.866	-	-	-	-	-	-	-	-	-
5) GF830 PRODUCTION ENGINEERING																				
5.1) PRODUCTION ENGINEERING	A		-	-	2.925	-	-	0.220	-	-	0.200	-	-	0.136	-	-	-	-	-	0.136
Subtotal: 5) GF830 PRODUCTION ENGINEERING			-	-	2.925	-	-	0.220	-	-	0.200	-	-	0.136	-	-	-	-	-	0.136
Total			-	-	139.479	-	-	3.724	-	-	5.536	-	-	2.155	-	-	-	-	-	2.155

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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 / 01 / 1	P-1 Line Item Number / Title: 0120 / Allison 501K Gas Turbine	Aggregated Items Title: Allison 501K Gas Turbine

Footnotes:

(1) As a result of Operation Tomodachi the program currently has four (4) K34 engines that have been quarantined in either a Forward Repairable Inspection Activity (FRIA)-JAPAN or Aviation Radiological Inspection Facility (AVRIF) - San Diego and thus are no longer available to support the RFI sparing pool.

(2) FY15 funds for energy initiatives realigned to Surface Combatant HM&E, Ships Support Equipment and Maritime Energy Initiatives (BLI 0200, L7027) to more effectively meet the Departments energy initiatives goals.

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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 01: Ships Support Equipment / BSA 1: Ship Propulsion Equipment							P-1 Line Item Number / Title: 0140 / Hybrid Electric Drive (HED)					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items: 0708017N					Other Related Program Elements: 0204228N, 0604567N				
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>)	0.000	-	-	22.704	-	22.704	41.562	42.430	43.302	44.260	114.461	308.719
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	22.704	-	22.704	41.562	42.430	43.302	44.260	114.461	308.719
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	22.704	-	22.704	41.562	42.430	43.302	44.260	114.461	308.719
<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>)	-	-	0.677	-	-	-	-	-	-	-	-	0.677
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 Secretary of the Navy has made fuel conservation and reducing fuel consumption leading to energy independence a leading priority for the Navy. DDG 51 Class ships account for over 40% of Non-Nuclear Surface Navy fuel consumption. The large class numbers and remaining service life of the DDG 51 Class Ships, in comparison to other classes of ships, provide the best opportunity for long term payoff for the Navy in addressing the Secretary's priority. The Hybrid Electric Drive (HED) consists of an electric motor which can be coupled to the propulsion reduction gear to provide propulsion power from the ship service gas turbine generators (SSGTGs) during low speed operations. This will permit the securing of one or more propulsion gas turbines and allow higher power loading resulting in more efficient operation of the SSGTGs, which will be generating electric power for the HED as well as ship service power. In addition to reducing fuel consumption and the associated costs, HED results in the additional benefits of increasing the ship's range, increased time on station performing its mission, and reducing the frequency of fuel replenishment. The HED shipsets will include the propulsion motors, motor drives and the associated controls, interfaces, and mounting equipment that will be required to install the HED on DDG 51 Class Ships. This budget supports the HED for installation on DDG 51 Class in-service ships beginning in FY16. [P3A / TD001 - Hybrid Electric Drive]: Procure Hybrid Electric Drive (HED) for the DDG 51 Flight IIA Ships including equipment procurement, recurring equipment engineering, equipment integration, and ILS [P3A / Equipment Modification]: Equipment Modifications will be performed to correct deficiencies, account for obsolescence, Diminishing Manufacturing Services, and engineering change proposals.												

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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 01: Ships Support Equipment / BSA 1: Ship Propulsion Equipment	P-1 Line Item Number / Title: 0140 / Hybrid Electric Drive (HED)

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items: 0708017N	Other Related Program Elements: 0204228N, 0604567N

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 / TD001 - Hybrid Electric Drive	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	22.704	-	-	-	-	-	22.704
Total Gross/Weapon System Cost			-	-	0.000	-	-	-	-	-	-	-	-	22.704	-	-	-	-	-	22.704

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 / TD001 - Hybrid Electric Drive	P-3a		-	-	41.562	-	-	42.430	-	-	43.302	-	-	44.260	-	-	114.461	-	-	308.719
Total Gross/Weapon System Cost			-	-	41.562	-	-	42.430	-	-	43.302	-	-	44.260	-	-	114.461	-	-	308.719

*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:

This Item covers all HED procurement requirements for the DDG 51 Hybrid Electric Drive Backfit Program to be installed on Flight IIA ships. (DDG 79 through DDG 112; 34 ships).

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 1	P-1 Line Item Number / Title: 0140 / Hybrid Electric Drive (HED)	Modification Number / Title: 1 / TD001 - Hybrid Electric Drive

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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	-	-	22.704	-	22.704	41.562	42.430	43.302	44.260	114.461	308.719
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	-	22.704	-	22.704	41.562	42.430	43.302	44.260	114.461	308.719
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	-	-	22.704	-	22.704	41.562	42.430	43.302	44.260	114.461	308.719
(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)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

The Hybrid Electric Drive (HED) consists of an electric motor which can be coupled to the propulsion reduction gear to provide propulsion power from the ship service gas turbine generators (SSGTGs) during low speed operations. This will permit the securing of one or more propulsion gas turbines and allow higher power loading resulting in more efficient operation of the SSGTGs, which will be generating electric power for the HED as well as ship service power.

Administrative lead time includes receipt of funds, document development, contracts review, and vendor concurrence. Production lead times are based on contractual requirements.

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LI 0140 - Hybrid Electric Drive (HED)
Navy

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 1										P-1 Line Item Number / Title: 0140 / Hybrid Electric Drive (HED)										Modification Number / Title: 1 / TD001 - Hybrid Electric Drive											
Modification Item 1 of 1: TD001 - Hybrid Electric Drive																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: L3 Maritime Systems															Manufacturer Location: >Various																
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 18																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates										Dec 2014				Dec 2015				Dec 2016				Dec 2017				Dec 2018					
Delivery Dates										Jun 2016				Jun 2017				Jun 2018				Jun 2019				Jun 2020					
Installation Information																															
Method of Implementation: [none specified] : Installation Name: Hybrid Electric Drive (Units)																															
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		- / -		- / -		- / -		- / 7.705		- / -		- / 7.705		3 / 12.300		- / -		- / -		- / -		- / -		- / -		3 / 20.005					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / 7.705		4 / 16.400		- / -		- / -		- / -		- / -		4 / 24.105					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 7.705		4 / 16.400		- / -		- / -		- / -		4 / 24.105					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 7.705		4 / 16.400		- / -		- / -		4 / 24.105					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 7.705		4 / 16.400		- / -		4 / 24.105					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		15 / 78.965		15 / 78.965					
Total		- / -		- / -		- / -		- / 7.705		- / -		- / 7.705		3 / 20.005		4 / 24.105		4 / 24.105		4 / 24.105		19 / 95.365		34 / 195.390							
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	-	-	-	4	-	-	-	4	-	-	-	4	19	34
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	4	-	-	-	4	-	-	-	23	34
Footnotes: ⁽¹⁾ HED will be installed on Flight IIA ships beginning in Q4 of FY16. Installation/DSA/AIT - Provides Planning Yard Design Services (DSA) (design, advance planning, and kitted material), Master Ship Repair (MSR) installations and Alteration Installation Team (AIT) Support. Design Services Allocation (DSA) - Planning Yard design and ship checks required for mandatory design tasks that must be completed within the year prior to the actual shipyard installations. Total lead time is 18 months ⁽²⁾ Equipment Modifications will be performed to correct deficiencies, account for obsolescence, Diminishing Manufacturing Services, and engineering change proposals.																															

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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 01: Ships Support Equipment / BSA 2: Generators							P-1 Line Item Number / Title: 0200 / Surface Combatant HM&E					
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>)	0.000	-	16.129	29.120	-	29.120	37.096	37.460	66.774	68.085	-	254.664
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	16.129	29.120	-	29.120	37.096	37.460	66.774	68.085	-	254.664
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	16.129	29.120	-	29.120	37.096	37.460	66.774	68.085	-	254.664
<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>)	-	-	4.081	-	-	-	-	-	-	-	-	4.081
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 initiated in FY14 as a transfer of funding from BLI 5246, to allow the Navy to better align and identify Hull, Mechanical & Engineering (HM&E) requirements, shipboard upgrades and equipment in support of the in-service Surface Combatants to include Class Common Equipment to support shorter Regular Overhauls and Selected Restricted Availabilities, including Ship System Components that require long repair turn-around; CG/DDG - Machinery Control Systems (MCS) COTS Refresh; Ship Control Systems and installation in support of the Ship Control System. [P40A / GB001 (formerly 7025 and MJ001) - CG/DDG COTS Tech Refresh]: Due to Diminishing Manufacturing Sources and Material Shortages (DMSMS), Commercial Off The Shelf (COTS) equipment must be periodically refreshed to ensure supportability to the Fleet. This cost code is used to fund solutions for HM&E systems that have parts with oncoming DMSMS impacts. DMSMS solutions, including after-market manufacturing (reverse engineering), bridge-buys, life-of-type buys, modernization through replacement, modification / redesign, and reclamation are implemented to ensure that in-service ships are operational and sustainable throughout the life of the system. DMSMS issues and planned resolutions are impacted by pending fact-of-life influences, including shifting Modernization availabilities, modified vendor End of Sale dates, and unforeseen material shortages. [P40A / GB002 (formerly 7013 and MJ002) - Common Class Equipment]: The CCE program is to provide Ready-For-Issue (RFI) systems and equipment in support of Surface Combatant ship industrial availabilities, and to replace major system equipment which sustains battle damage or major failure. CCE Availability Assets (AAs) ensure warfighting capability, readiness, and on-time deployment by providing RFI long lead time material (LLTM) in case of possible catastrophic damage or major failure on Aegis ships. CCE AAs are procured and stored to support backfit upgrades and emergent maintenance within brief availability windows. The ready accessibility of these assets avoids delays in availability completion caused by lengthy equipment repair turn-around time or acquisition lead time. In addition to availability assets, the CCE program also provides for Insurance Assets. These are the major long lead time HM&E equipment/systems which, due to major damage or battle damage, would prevent a ship from being able to be quickly repaired in order to accomplish its mission. The CCE provides for both CG and DDG assets. [P40A / GB003 (formerly 7026 and MJ003) - Ship Control Systems]: Ship Control Systems (SCS) provide lifecycle support for legacy and modernized engineering controls. SCS equipment and components are procured for various ship changes and engineering change proposals for in-service surface combatants and are installed outside of standard CNO availabilities. This effort includes maintaining Land Based Engineering Sites (LBES), CG / DDG system refresh, SCD design engineering, CG / DDG equipment procurement, and CG / DDG ISEA/ILS support. This cost code also provides for funding the necessary software licenses in support of the HM&E COTS systems/equipment for both CG and DDG class ships. Examples of systems requiring software licenses are: Machinery Control System components, Voyage Management System, Integrated Bridge System, Integrated Bridge and Navigation System, and Digital Video Surveillance 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 01: Ships Support Equipment / BSA 2: Generators	P-1 Line Item Number / Title: 0200 / Surface Combatant HM&E

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

[P40A / GB004 (formerly MJ004)- Maritime Energy Initiatives]: Maritime Energy Initiatives provide surface combatants with technologies/tools that reduce energy usage. This will enhance operational capabilities, allowing for longer time on-station and fewer refuelings. These initiatives will also help meet the CNO's 2020 goal of reducing the surface fleet's fuel usage by 15%. The initiatives consist of: 1) Hull and Hydrodynamics - These initiatives focus on the dynamic forces where the ship contacts the water. They include, but are not limited to hull appendages that reduce drag, thus improving speed and fuel efficiency; 2) Power Generation and Transmission Systems - These initiatives focus on, but are not limited to improving the efficiency of ships' prime movers, generators, main reduction gears, propulsion motors/drives, and shaft-line components; 3) Combat and Ship Systems Support Services - These initiatives focus on, but are not limited to improving systems that use electricity when providing support services (e.g. cooling, heating, air, lube oil) to combat machinery, or life support systems; and 4) Decision Aids - These initiatives will inform the sailor of decisions they can make to save energy and improve operational efficiency by consolidating and manipulating ship data and providing it back as actionable information.

[P40A / GB6IN (formerly 7600 and MJ6IN) - HM&E Installation]: Funds provided support the installation of ship control systems upgrades (procured in GB003 CG/DDG) on both cruisers and destroyers in support of the Fleet Modernization Program.

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)
Surface Combatant HM&E	P-40a		-	-	0.000	-	-	-	-	-	16.129	-	-	29.120	-	-	-	-	-	29.120
Total Gross/Weapon System Cost			-	-	0.000	-	-	-	-	-	16.129	-	-	29.120	-	-	-	-	-	29.120

*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.

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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 / 01 / 2							P-1 Line Item Number / Title: 0200 / Surface Combatant HM&E							Aggregated Items Title: Surface Combatant HM&E						
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) GB001 (formerly 7025 and MJ001) - CG/DDG COTS Tech Refresh																				
1.1) GB001 (formerly 7025 and MJ001) - CG/DDG COTS Tech Refresh ⁽¹⁾	A		-	-	-	-	-	-	-	-	6.058	-	-	5.231	-	-	-	-	-	5.231
Subtotal: 1) GB001 (formerly 7025 and MJ001) - CG/DDG COTS Tech Refresh			-	-	0.000	-	-	-	-	-	6.058	-	-	5.231	-	-	-	-	-	5.231
2) GB002 (formerly 7013 and MJ002) - Common Class Equipment ⁽²⁾																				
2.1) GB002 - Common Class Equipment	A		-	-	-	-	-	-	-	-	1.995	-	-	1.900	-	-	-	-	-	1.900
2.2) GB002 - CCE Main Reduction Gears	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) GB002 (formerly 7013 and MJ002) - Common Class Equipment			-	-	0.000	-	-	-	-	-	1.995	-	-	1.900	-	-	-	-	-	1.900
3) GB003 (formerly 7026 and MJ003) - Ship Control Systems ⁽³⁾																				
3.1) GB003 - CG 47 Class ⁽⁴⁾	A		-	-	-	-	-	-	-	-	1.232	-	-	-	-	-	-	-	-	-
3.2) GB003 - DDG 51 Class ⁽⁵⁾	A		-	-	-	-	-	-	-	-	3.695	-	-	4.368	-	-	-	-	-	4.368
3.3) GB003 - Ship Control Systems Software Licenses	A		-	-	-	-	-	-	-	-	3.149	-	-	-	-	-	-	-	-	-
Subtotal: 3) GB003 (formerly 7026 and MJ003) - Ship Control Systems			-	-	0.000	-	-	-	-	-	8.076	-	-	4.368	-	-	-	-	-	4.368
4) GB004 (formerly MJ004)- Maritime Energy Initiatives ⁽⁶⁾																				
4.1) Hull and Hydrodynamics - Bow Bulb (Proc)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) Hull and Hydrodynamics - Bow Bulb (Install)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.3) Power Generation and Transmission Systems - LM2500	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.4) Combat and Ship Systems Support -	A		-	-	-	-	-	-	-	-	-	953,500.00	4	3.814	-	-	-	953,500.00	4	3.814

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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 / 01 / 2						P-1 Line Item Number / Title: 0200 / Surface Combatant HM&E										Aggregated Items Title: Surface Combatant HM&E				
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)
Thermal Mgmt Ctrl (Proc)																				
4.5) Combat and Ship Systems Support - Thermal Mgmt Ctrl (Install)	A		-	-	-	-	-	-	-	-	-	1,554K	2	3.109	-	-	-	1,554K	2	3.109
4.6) Combat and Ship Systems Support - Variable Speed Drive (Proc)	A		-	-	-	-	-	-	-	-	-	1,088K	2	2.176	-	-	-	1,088K	2	2.176
4.7) Combat and Ship Systems Support - Variable Speed Drive (Install)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.8) Combat and Ship Systems Support Services - Solid State Lighting	A		-	-	-	-	-	-	-	-	-	870,500.00	6	5.223	-	-	-	870,500.00	6	5.223
4.9) Decision Aids - Shipboard Energy Dashboard FLT IIA (Proc)	A		-	-	-	-	-	-	-	-	-	22,800.00	5	0.114	-	-	-	22,800.00	5	0.114
4.10) Decision Aids - Shipboard Energy Dashboard FLT IIA (Install)	A		-	-	-	-	-	-	-	-	-	80,833.33	6	0.485	-	-	-	80,833.33	6	0.485
4.11) Decision Aids - Shipboard Energy Dashboard FLT I (Proc)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.12) Decision Aids - Shipboard Energy Dashboard FLT I (Install)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.13) Decision Aids - Triton Fuel Penalty (Proc)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.14) Decision Aids - Triton Fuel Penalty (Install)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.15) Engineering Services	A		-	-	-	-	-	-	-	-	-	-	-	0.244	-	-	-	-	-	0.244
Subtotal: 4) GB004 (formerly MJ004)- Maritime Energy Initiatives			-	-	0.000	-	-	-	-	-	-	-	-	15.165	-	-	-	-	-	15.165
5) GB6IN (formerly 7600 and MJ6IN) - HM&E Installation ⁽⁷⁾																				
5.1) GB6IN - CG 47 Class Install ⁽⁸⁾	A		-	-	-	-	-	-	-	-	-	-	-	0.614	-	-	-	-	-	0.614

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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 / 01 / 2						P-1 Line Item Number / Title: 0200 / Surface Combatant HM&E									Aggregated Items Title: Surface Combatant HM&E				

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)
5.2) GB6IN - DDG 51 Class Install ⁽⁹⁾	A		-	-	-	-	-	-	-	-	-	-	-	1.842	-	-	-	-	-	1.842
Subtotal: 5) GB6IN (formerly 7600 and MJ6IN) - HM&E Installation			-	-	0.000	-	-	-	-	-	-	-	-	2.456	-	-	-	-	-	2.456
Total			-	-	0.000	-	-	-	-	-	16.129	-	-	29.120	-	-	-	-	-	29.120

Footnotes:

- (1) Cost code funding transfer for proper execution from BLI 5246.
- (2) Cost code funding transfer for proper execution from BLI 5246.
- (3) Cost code funding transfer for proper execution from BLI 5246. Procurements in cost code GB003 are dependent upon the specific alterations to be accomplished and an individual ship's configuration. Shipsets of equipment vary in quantities and types of components each fiscal year and within a fiscal year. Quanties/unit costs for specific alterations are not associated with cost code GB003 due to the varying degree of engineering changes required per ship (ship configuration dependent) and the installation normally occurs outside of CNO availabilities, in either a WOO or CMAV.
- (4) Scheduled Procurements for CG 47 Class: FY14: 11 different kits procured for 1 ship (CG 64); FY15: No procurements; FY16: 12 different kits procured for 1 ship (CG 66); FY17: 2 different kits procured for 1 ship (CG 64); FY18: 10 different kits procured for 1 ship (CG 65); FY19: No procurements
- (5) Scheduled Procurements for DDG 51 Class: Scheduled Procurements for DDG 51 Class: FY14: 4 different kits procured for 4 ships (DDG51, DDG57, DDG58, DDG69); FY15: 5 different kits procured for 5 ships (DDG52, DDG53, DDG59, DDG61, DDG65); FY16: 7 different kits procured for 4 ships (DDG 51, DDG 54, DDG 55, DDG 56); FY17: 8 different kits procured for 6 ships (DDG 53, DDG 57, DDG 58, DDG 63, DDG 65, DDG 69); FY18: 8 different kits procured for 6 ships (DDG 52, DDG 55, DDG 59, DDG 60, DDG 61, DDG 68); FY19: 9 different kits procured for 6 ships (DDG 54, DDG 56, DDG 62, DDG 63, DDG 65, DDG 75)
- (6) Maritime Energy Initiative funding transfer for proper execution from BLI 0110, 0120, and 0981.
- (7) Ship Controls System Install funding transfer for proper execution from BLI 5246.
- (8) Scheduled Installations for CG 47 Class: FY14: No installations; FY15: 11 different kits installed on 1 ship (CG 64); FY16: No installations; FY17: 12 different kits installed on 1 ship (CG 66); FY18: 2 different kits installed on 1 ship (CG 64); FY19: 10 different kits installed on 1 ship (CG 65)
- (9) Scheduled Installations for DDG 51 Class: FY14: No installations; FY15: 4 different kits installed on 4 ships (DDG51, DDG57, DDG58, DDG69); FY16: 5 different kits installed on 5 ships (DDG52, DDG53, DDG59, DDG61, DDG65); FY17: 7 different kits installed on 4 ships (DDG 51, DDG 54, DDG 55, DDG 56); FY18: 8 different kits installed on 6 ships (DDG 53, DDG 57, DDG 58, DDG 63, DDG 65, DDG 69); FY19: 8 different kits installed on 6 ships (DDG 52, DDG 55, DDG 59, DDG 60, DDG 61, DDG 68)

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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 01: Ships Support Equipment / BSA 6: Navigation Equipment	P-1 Line Item Number / Title: 0670 / Other Navigation 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 [#]	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>)	225.044	21.219	33.386	45.431	-	45.431	54.278	43.646	64.504	64.288	-	551.796
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	225.044	21.219	33.386	45.431	-	45.431	54.278	43.646	64.504	64.288	-	551.796
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	225.044	21.219	33.386	45.431	-	45.431	54.278	43.646	64.504	64.288	-	551.796
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	0.110	0.019	-	-	-	-	-	-	0.193	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:

This program provides procurement and improvements of navigation equipment to include Inertial Navigation equipment for Ballistic Missile Defense such as gyrocompasses, speed sensors, radars, Electronic Chart Display and Information System - Navy (ECDIS-N) and major components for other navigation systems. ECDIS-N provides Fleet-wide electronic charting capability, increases navigation and situational awareness, improves safety at sea, and eliminates reliance on paper charts. These systems provide mission critical navigation data to Ballistic Missile Defense, shipboard, combat, and gun and missile systems.

[P40A / GW013: CONVENTIONAL NAVIGATION FIELD CHANGE KITS]: These funds are required to procure Navigation Field Change Kits for reliability and maintainability improvements and corrections for various conventional navigation equipment including the Dead Reckoning Equipment (DRE), Computer Aided Dead Reckoning Tracer (CADRT), plotters, gyrocompasses, Electromagnetic Log (EM Log), Doppler Sonar Velocity Log (DSVL), Digital Flux Gate Magnetic Compass, Digital Depth Detector and Synchronization Signal Amplifier. These improvements are required to keep Fleet-installed equipment operating to a basic level. This cost code funds multiple Field Changes of various quantities, costs, and fielding plans.

[P40A / GW029: INERTIAL NAVIGATION SYSTEMS FIELD CHANGE KITS]: These funds are required in order to support procurement and implementation of Engineering Change Proposals (ECPs)/ Field Change (FC) Kits, alterations and update of associated technical documentation which provide reliability and maintainability improvements, corrections and upgrades for various Inertial Navigation Systems (INS), (AN/WSN-7/7A/7B), the associated IP-1747 Control Display Unit (CDU), and IP-1747 Enhanced Control Display Unit (ECDU), Aircraft Inertial Alignment System (AIAS) and (CVNS-AN/SRC-40, OU-174, TS-3543A). Funds also support procurement of hardware and software changes to the navigation suite required to integrate with Ring Laser Gyro Navigator (AN/WSN-7/7A), and Ring Laser Gyrocompass (AN/WSN-7B) and Test & Integration. Funds will support technology refresh to replace parts obsolescence and keep pace with technology. Funds required to perform navigation certification required as prerequisite to TOMAHAWK certification. This cost code funds multiple Field Changes of various quantities, costs, and fielding plans.

- Field Change #1 to the AN/WSN-7/7A provides product improvement changes and additions to the basic system equipment to correct problems and provide enhancements to ship specific missions.
- Field Change #2 to the AN/WSN-7 provides interface between WSN-7 and Battle Force Tactical Trainer (BFTT) product improvement changes and additions to the basic system equipment to correct problems and provide enhancements to ship specific missions.
- Field Change #3 to the AN/WSN-7 provides hardware and software updates.
- Field Change #4 to the AN/WSN-7 provides firmware changes to correct interfaces with Cooperative Engagement Capability (CEC) and Command & Decision (C&D) and provides short-term accuracy improvements for Ticonderoga Class Guided Missile Cruiser (AEGIS-CG) and Ballistic Defense Missile System (BDMS). Field Change #4 to the AN/WSN-7A provides ECDU hardware and software to correct Integral of Velocity rollover problem and provide an interface to the AN/BYG-1 Combat Control System (CCS).

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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 01: Ships Support Equipment / BSA 6: Navigation Equipment		P-1 Line Item Number / Title: 0670 / Other Navigation Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
- Field Change #5 to the AN/WSN-7/7A provides firmware changes to add capability for inertial damping and for indexing control to improve navigation accuracy for combat systems. Also provides functionality to support AN/BYG-1 CCS. - AIAS product improvements to AN/SRC-40, OU-174, TS-3543A due to obsolescence. - Field Change #6 to the AN/WSN-7/7A provides upgraded MX-11681A Inertial Measuring Unit (IMU) for structure-borne noise reduction. - Field Change #7 to the AN/WSN-7/7A provides CDU software version 3.0.0 to include Information Assurance (IA) and the Linux Operating System. (Surface and Submersible Ship Nuclear (SSN) 776/77 only) - Field Change #8 to the AN/WSN-7A provides Naval Tactical Data System (NTDS) Type A for Tactical TOMAHAWK Weapons Control Systems (TTWCS). (Submersible Ship Guided Nuclear (SSGN) Class only) - Field Change #9 to the AN/WSN-7 converts AN/WSN-7(V)2 to AN/WSN-7(V)3. Landing Helicopter Dock (LHD) 1 and 2 only). - Field Change #10 to the AN/WSN-7A provides CDU upgrades to include IA and the Linux Operating System. (SSN 688 Class, SSGN, and SSN 21/22) - Field Change #11 to the AN/WSN-7 provides Ethernet cable connection, upgrades software in the CDU to version 2.0.6 to enable Integrated Bridge System (IBS) interface with Ring Laser Gyro Navigator (RLGN) and Global Positioning System (GPS), AEGIS CG's only. - Field Change #12 to the AN/WSN-7A provides Unit 8, IP-1747 CDU with Windows Program (WINP) Software version 2.0.0, Run Time Program (RTP) version 4/2/0, and Enhanced SABTECH Review Board (ESRB) version 2.2.5. (SSN 23 only) - Field Change #13 to the AN/WSN-7A provides Unit 6, IP-1747 CDU (72213) with IP-1747 CDU (501300). ECDU architecture with dual Global Positioning System Versa Module Eurocard Receiver Card (GVRC) replaces Navigation Data Distribution and Display (ND3) functionality. (SSN 774 Class only) - Field Change #14 to the AN/WSN-7A provides Technical Insertion (TI-06): Adds Vertical Deflection Compensation, BQN-17A Interface, and Health Monitoring. - Field Change #15 to the AN/WSN-7A provides Technical Insertion (TI-08): Replaces ECDU GVRC cards with Selective Availability Anti Spoofing Module (SAASM) Receiver, adds Internet Protocol Version 6 (IPV) compliance, and reliability improvements. - Field Change #16 to the AN/WSN-7A provides Technical Insertion (TI-10): Incorporates Precision Underwater Mapping (PUMA) and Correlation Navigation. - Field Change #17 to the AN/WSN-7A provides Technical Insertion (TI-12): Incorporates ECDU GPS (M-Code). - Field Change #18 to the AN/WSN-7A provides firmware upgrades: Navigation processor Revision AE and Input/output (I/O) processor Revision AA (SSN & SSGN only). - Field Change #19 to the AN/WSN-7A provides power circuitry modifications in AN/WSN-7A(V)1,2 to meet the requirements of Military Standard (MIL-STD)-1399B/300A. (SSN 774 Class only) - Field Change #20 to the AN/WSN-7/7A provides firmware upgrades: Navigation processor Revision AF and I/O processor Revision AB. -Field Change #21 to the AN/WSN-7A provides Technical Insertion (TI-14): Incorporates TBD changes. -Field Change #22 to the AN/WSN-7/7A provides firmware upgrades: Navigation Processor Revision AG and I/O Processor revision AC will enhance BMD performance and provide improved at sea diagnostic capability. -Field Change #23 to the AN/WSN-7A provides Technical Insertion (TI-16): Incorporates TBD changes. -Field Change #24 to the AN/WSN-7A provides Technical Insertion (TI-18): Incorporates TBD changes. - Other AN/WSN-7 operational improvements include Navigation Sensor System Interface (NAVSSI) integration, Lever Arm definition, vertical deflection compensation, Asynchronous Transfer Mode (ATM) implementation, Tactical Integrated Distribution System (TIDS) integration, and WSN-7A BYG-1 CCS Field Change Kits. [P40A / GW036: NAVIGATION SYSTEM PROCUREMENT-(AN/WSN-7B):] These funds are required to support the acquisition, implementation and certification of the AN/WSN-7B Ring Laser Gyrocompass (RLG). [P40A / GW038: BPS ECDIS-N/VMS FC KITS:] These funds are required to provide AN/BPS-15/16 - Voyage Management System (VMS) Field Changes to provide ECDIS-N capability and to support obsolescence replacement on submarines. [P40A / GW051: SCALABLE ECDIS-N ECP/FIELD CHANGE KITS:] These funds are required for the procurement and installation of ECDIS-N ECP/Field Change Kits to support hardware tech refresh, software upgrades to incorporate latest functions and safety enhancements, obsolescence replacement, and for engineering services associated with interfacing systems on multiple platforms. [P40A / GW052: ENHANCED INERTIAL NAVIGATION PERFORMANCE PROGRAM:] These funds are required for the procurement of field change kits to enhance inertial navigation system performance.		

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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 01: Ships Support Equipment / BSA 6: Navigation Equipment	P-1 Line Item Number / Title: 0670 / Other Navigation Equipment

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

[P40A / GW054: NAVIGATION TRAINING EQUIPMENT]: Funds are required for the procurement of training equipment for multiple Navigation classrooms in support of Navigation System Technician pipeline training and ECDIS-N Operator Training. This includes computer upgrades and software licenses. These upgrades are critical to maintaining Fleet proficiency on operation and maintenance of navigation systems. Field Changes include ECDIS-N Operator Course Classroom Tech Refresh and additional seats and licenses and upgrade/update Mariner Skills Simulator (MSS) to support Fleet Training Requirements (Radar/Data bases/Models).

[P40A / GW056 ECDIS-N MODERNIZATION]: This is a new cost code initiated as part of Departments 2015 review. These funds are required to provide centralized and cost effective lifecycle sustainment and modernization of ECDIS-N solutions. Funding is required to manage and execute ECDIS-N hardware and software upgrades and competitive efforts for follow-on ECDIS-N solution.

[P40A / GW057 INERTIAL NAVIGATION SYSTEM MODERNIZATION]: This is a new cost code. Funding is for modernization of Inertial Navigation Systems (INS) to address obsolescence and provide improved performance in support of submarine missions. Initial efforts include converting the surface Inertial Navigation System-Replacement (INS-R) configuration to submarine use. Costs include analyses, delta testing, documentation, and logistics efforts.

[P40A / GW830: PRODUCTION ENGINEERING]: These funds are required for production engineering for the AN/WSN-7/7A, AN/WSN-7B, CDU, ECDU, AIAS Scalable ECDIS-N Systems, and BPS ECDIS-N/VMS Systems hardware/software procurements and system test and integration.

[P3A / GW036: RING LASER GYRO COMPASS (AN/WSN-7B)]: These funds are required for the procurement and installation of the AN/WSN-7B Ring Laser Gyrocompass (RLG) for SSN, MCM, and LSD platforms. System peripherals include Sync Amps, BIT Cables, and installation kits. MCM ships require quantity (2) AN/WSN-7B per ship.

[P3A - 2 / GW050: SCALABLE ECDIS-N]: These funds are required for procurement of Scalable ECDIS-N systems for surface combatants, amphibious ships and carriers.

[P3A - 3 / GW053: INERTIAL NAVIGATION SYSTEM (INS) MODERNIZATION]: These funds are required for modernization of Inertial Navigation Systems (INS) to address obsolescence and provide improved performance in support of Ballistic Missile Defense (BMD).

[P3A - 4 / GW055: AN/WSN-9 SPEED LOG PROCUREMENT]: These funds are for the procurement of AN/WSN-9 Speed Log upgrades on LSD ships.

Funding was initiated in FY14 as part of the Departments priorities to replace legacy MK 4 EM logs. Inability to procure new MK 4 systems or repair components has impacted support efforts. The ISEA is rapidly depleting decommissioned assets to support deployed systems.

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)
Other Navigation Equipment	P-40a		-	-	137.187	-	-	15.811	-	-	26.391	-	-	39.386	-	-	-	-	-	39.386
P-3a - 1 / GW036: RING LASER GYRO COMPASS (AN/WSN-7B)	P-3a		-	-	57.512	-	-	1.285	-	-	3.100	-	-	2.654	-	-	-	-	-	2.654
P-3a - 2 / GW050: SCALABLE ECDIS-N	P-3a		-	-	30.345	-	-	4.123	-	-	1.995	-	-	-	-	-	-	-	-	-

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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 01: Ships Support Equipment / BSA 6: Navigation Equipment	P-1 Line Item Number / Title: 0670 / Other Navigation Equipment

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

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 - 3 / GW053: INERTIAL NAVIGATION SYSTEM (INS) MODERNIZATION	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 4 / GW055: AN/ WSN-9 SPEED LOG PROCUREMENT	P-3a		-	-	0.000	-	-	-	-	-	1.900	-	-	3.391	-	-	-	-	-	3.391
Total Gross/Weapon System Cost			-	-	225.044	-	-	21.219	-	-	33.386	-	-	45.431	-	-	-	-	-	45.431

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)
Other Navigation Equipment	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / GW036: RING LASER GYRO COMPASS (AN/WSN-7B)	P-3a		-	-	0.405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64.956
P-3a - 2 / GW050: SCALABLE ECDIS-N	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.463
P-3a - 3 / GW053: INERTIAL NAVIGATION SYSTEM (INS) MODERNIZATION	P-3a		-	-	8.403	-	-	8.448	-	-	8.629	-	-	8.781	-	-	-	-	-	34.261
P-3a - 4 / GW055: AN/ WSN-9 SPEED LOG PROCUREMENT	P-3a		-	-	3.776	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.067
Total Gross/Weapon System Cost			-	-	54.278	-	-	43.646	-	-	64.504	-	-	64.288	-	-	-	-	-	551.796

*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.

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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 / 01 / 6						P-1 Line Item Number / Title: 0670 / Other Navigation Equipment								Aggregated Items Title: Other Navigation 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	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) GW013: CONVENTIONAL NAVIGATION FIELD CHANGE KITS ⁽¹⁾																				
1.1) SURFACE CONVENTIONAL NAVIGATION FC KITS	A		-	-	5.038	-	-	0.501	-	-	0.811	-	-	0.818	-	-	-	-	-	0.818
1.2) SUBMARINE CONVENTIONAL NAVIGATION FC KITS	A		-	-	13.408	-	-	0.601	-	-	2.911	-	-	2.915	-	-	-	-	-	2.915
Subtotal: 1) GW013: CONVENTIONAL NAVIGATION FIELD CHANGE KITS			-	-	18.446	-	-	1.102	-	-	3.722	-	-	3.733	-	-	-	-	-	3.733
2) GW029: INERTIAL NAVIGATION SYSTEMS FIELD CHANGE KITS ⁽²⁾																				
2.1) SURFACE INERTIAL NAV SYS ECP/FC KITS	A		-	-	8.401	-	-	1.164	-	-	3.919	-	-	6.268	-	-	-	-	-	6.268
2.2) SUBMARINE INERTIAL NAV SYS ECP/FC KITS	A		-	-	22.776	-	-	3.483	-	-	3.869	-	-	3.962	-	-	-	-	-	3.962
2.3) CARRIER INERTIAL NAV SYS ECP/FC KITS	A		-	-	12.119	-	-	0.910	-	-	1.445	-	-	1.475	-	-	-	-	-	1.475
Subtotal: 2) GW029: INERTIAL NAVIGATION SYSTEMS FIELD CHANGE KITS			-	-	43.296	-	-	5.557	-	-	9.233	-	-	11.705	-	-	-	-	-	11.705
3) GW036: NAVIGATION SYSTEM PROCUREMENT-(AN/WSN-7B):																				
3.1) SURFACE NAVIGATION SYSTEM PROCUREMENT (AN/WSN-7B)	A		-	-	1.579	-	-	0.150	-	-	-	-	-	-	-	-	-	-	-	-
3.2) SUBMARINE NAVIGATION SYSTEM PROCUREMENT (AN/WSN-7B)	A		-	-	1.160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) CARRIER NAVIGATION SYSTEM PROCUREMENT (AN/WSN-7B)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) GW036: NAVIGATION SYSTEM PROCUREMENT-(AN/WSN-7B):			-	-	2.739	-	-	0.150	-	-	-	-	-	-	-	-	-	-	-	-
4) GW038: BPS ECDIS-N/VMS FC KITS:																				

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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 / 01 / 6								P-1 Line Item Number / Title: 0670 / Other Navigation Equipment								Aggregated Items Title: Other Navigation 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
4.1) SUBMARINE BPS ECDIS-N/VMS FC KITS:	A		-	-	32.781	-	-	4.555	-	-	4.061	-	-	2.995	-	-	-	-	-	2.995
<i>Subtotal: 4) GW038: BPS ECDIS-N/VMS FC KITS:</i>			-	-	32.781	-	-	4.555	-	-	4.061	-	-	2.995	-	-	-	-	-	2.995
5) GW051: SCALABLE ECDIS-N ECP/FIELD CHANGE KITS: ⁽³⁾																				
5.1) SURFACE SCALABLE ECDIS-N ECP/ FIELD CHANGE KITS	A		-	-	11.956	-	-	0.883	-	-	7.231	-	-	14.988	-	-	-	-	-	14.988
5.2) CARRIER SCALABLE ECDIS-N ECP/FIELD CHANGE KITS:	A		-	-	5.801	-	-	0.030	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 5) GW051: SCALABLE ECDIS-N ECP/FIELD CHANGE KITS:</i>			-	-	17.757	-	-	0.913	-	-	7.231	-	-	14.988	-	-	-	-	-	14.988
6) GW052: ENHANCED INERTIAL NAVIGATION PERFORMANCE PROGRAM:																				
6.1) SUBMARINE ENHANCED INERTIAL NAVIGATION PERFORMANCE PROGRAM	A		-	-	9.969	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 6) GW052: ENHANCED INERTIAL NAVIGATION PERFORMANCE PROGRAM:</i>			-	-	9.969	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) GW054: NAVIGATION TRAINING EQUIPMENT ⁽⁴⁾																				
7.1) SURFACE NAVIGATION TRAINING EQUIPMENT	A		-	-	0.600	-	-	0.602	-	-	0.605	-	-	0.601	-	-	-	-	-	0.601
<i>Subtotal: 7) GW054: NAVIGATION TRAINING EQUIPMENT</i>			-	-	0.600	-	-	0.602	-	-	0.605	-	-	0.601	-	-	-	-	-	0.601
8) GW056 ECDIS-N MODERNIZATION ⁽⁵⁾																				
8.1) SURFACE ECDIS-N MODERNIZATION	A		-	-	-	-	-	-	-	-	-	-	-	3.970	-	-	-	-	-	3.970
<i>Subtotal: 8) GW056 ECDIS-N MODERNIZATION</i>			-	-	0.000	-	-	-	-	-	-	-	-	3.970	-	-	-	-	-	3.970
9) GW057 INERTIAL NAVIGATION SYSTEM MODERNIZATION ⁽⁶⁾																				

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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 / 01 / 6								P-1 Line Item Number / Title: 0670 / Other Navigation Equipment								Aggregated Items Title: Other Navigation 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
9.1) SUBMARINE INERTIAL NAVIGATION SYSTEM MODERNIZATION	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 9) GW057 INERTIAL NAVIGATION SYSTEM MODERNIZATION</i>			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10) GW830: PRODUCTION ENGINEERING																				
10.1) SURFACE PRODUCTION ENGINEERING	A		-	-	6.125	-	-	1.097	-	-	0.614	-	-	0.551	-	-	-	-	-	0.551
10.2) SUBMARINE PRODUCTION ENGINEERING	A		-	-	3.708	-	-	1.147	-	-	0.683	-	-	0.605	-	-	-	-	-	0.605
10.3) CARRIER PRODUCTION ENGINEERING	A		-	-	1.766	-	-	0.688	-	-	0.242	-	-	0.238	-	-	-	-	-	0.238
<i>Subtotal: 10) GW830: PRODUCTION ENGINEERING</i>			-	-	11.599	-	-	2.932	-	-	1.539	-	-	1.394	-	-	-	-	-	1.394
Total			-	-	137.187	-	-	15.811	-	-	26.391	-	-	39.386	-	-	-	-	-	39.386

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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 / 01 / 6								P-1 Line Item Number / Title: 0670 / Other Navigation Equipment							Aggregated Items Title: Other Navigation Equipment						
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) GW013: CONVENTIONAL NAVIGATION FIELD CHANGE KITS ⁽¹⁾																					
1.1) SURFACE CONVENTIONAL NAVIGATION FC KITS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2) SUBMARINE CONVENTIONAL NAVIGATION FC KITS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1) GW013: CONVENTIONAL NAVIGATION FIELD CHANGE KITS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2) GW029: INERTIAL NAVIGATION SYSTEMS FIELD CHANGE KITS ⁽²⁾																					
2.1) SURFACE INERTIAL NAV SYS ECP/FC KITS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.2) SUBMARINE INERTIAL NAV SYS ECP/FC KITS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.3) CARRIER INERTIAL NAV SYS ECP/FC KITS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2) GW029: INERTIAL NAVIGATION SYSTEMS FIELD CHANGE KITS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3) GW036: NAVIGATION SYSTEM PROCUREMENT-(AN/WSN-7B):																					
3.1) SURFACE NAVIGATION SYSTEM PROCUREMENT (AN/WSN-7B)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.2) SUBMARINE NAVIGATION SYSTEM PROCUREMENT (AN/WSN-7B)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.3) CARRIER NAVIGATION SYSTEM PROCUREMENT (AN/WSN-7B)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 3) GW036: NAVIGATION SYSTEM PROCUREMENT-(AN/WSN-7B):			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4) GW038: BPS ECDIS-N/VMS FC KITS:																					

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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 / 01 / 6						P-1 Line Item Number / Title: 0670 / Other Navigation Equipment								Aggregated Items Title: Other Navigation Equipment						
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)
4.1) SUBMARINE BPS ECDIS-N/VMS FC KITS:	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) GW038: BPS ECDIS-N/VMS FC KITS:			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) GW051: SCALABLE ECDIS-N ECP/FIELD CHANGE KITS: ⁽³⁾																				
5.1) SURFACE SCALABLE ECDIS-N ECP/ FIELD CHANGE KITS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2) CARRIER SCALABLE ECDIS-N ECP/FIELD CHANGE KITS:	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) GW051: SCALABLE ECDIS-N ECP/FIELD CHANGE KITS:			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) GW052: ENHANCED INERTIAL NAVIGATION PERFORMANCE PROGRAM:																				
6.1) SUBMARINE ENHANCED INERTIAL NAVIGATION PERFORMANCE PROGRAM	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) GW052: ENHANCED INERTIAL NAVIGATION PERFORMANCE PROGRAM:			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) GW054: NAVIGATION TRAINING EQUIPMENT ⁽⁴⁾																				
7.1) SURFACE NAVIGATION TRAINING EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7) GW054: NAVIGATION TRAINING EQUIPMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8) GW056 ECDIS-N MODERNIZATION ⁽⁵⁾																				
8.1) SURFACE ECDIS-N MODERNIZATION	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 8) GW056 ECDIS-N MODERNIZATION			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9) GW057 INERTIAL NAVIGATION SYSTEM MODERNIZATION ⁽⁶⁾																				

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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 / 01 / 6								P-1 Line Item Number / Title: 0670 / Other Navigation Equipment							Aggregated Items Title: Other Navigation Equipment				

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)
9.1) SUBMARINE INERTIAL NAVIGATION SYSTEM MODERNIZATION	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 9) GW057 INERTIAL NAVIGATION SYSTEM MODERNIZATION</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10) GW830: PRODUCTION ENGINEERING																				
10.1) SURFACE PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.2) SUBMARINE PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.3) CARRIER PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 10) GW830: PRODUCTION ENGINEERING</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

- (1) GW013 rationale for unit cost differences between fiscal years: FY14 Conventional Navigation Systems Field Change Kits Procurement and installation funding supports equipment for (4) different mission critical tech refresh systems, (4) different ship alts, and associated support cost (each with varying scope and hull applicability based on ship configurations on (8) ships and submarines) FY15 Conventional Navigation Systems Field Change Kits Procurement and installation funding supports equipment for (3) different mission critical tech refresh systems, (3) different ship alts, and associated support cost (each with varying scope and hull applicability based on ship configurations on (11) ships and submarines)
- (2) GW029 rationale for unit cost differences between fiscal years: FY14 Inertial Navigation Systems Field Change Kits Procurement and installation funding supports equipment for (6) different mission critical tech refresh systems, (11) different ship alts, and associated support cost (each with varying scope and hull applicability based on ship configurations on (38) ships, submarines, and carriers) FY15 Inertial Navigation Systems Field Change Kits Procurement and installation funding supports equipment for (6) different mission critical tech refresh systems, (11) different ship alts, and associated support cost (each with varying scope and hull applicability based on ship configurations on (39) ships, submarines, and carriers)
- (3) GW051: Increases in FY14-19 reflect the Departments prioritization to support the CNO directive that all ships transition to electronic charting. This effort accelerate amphibious Tech Refresh and the fielding of VMS Version 9.3 to address system shortfalls, information assurance vulnerabilities, and capability gaps. This modernization effort will improve safety and Fleet readiness by eliminating hardware supportability issues, improve software performance issues, and decrease total ownership cost. This supports CNO directive that all ships transition to electronic charting. Rationale for unit cost differences between fiscal years: FY14 Scalable ECDIS-N ECP/ Field Change Kits Procurement and installation funding supports equipment for (3) different mission critical tech refresh systems, (3) different ship alts, and associated support cost (each with varying scope and hull applicability based on ship configurations on (15) ships) FY15 Scalable ECDIS-N ECP/Field Change Kits Procurement and installation funding supports equipment for (5) different mission critical tech refresh systems, (5) different ship alts, and associated support cost (each with varying scope and hull applicability based on ship configurations on (33) ships)
- (4) GW054 rationale for unit cost differences between fiscal years: FY14 Navigation Training Equipment Procurement and installation funding supports equipment for (2) different mission critical tech refresh systems upgrades in classrooms at the Fleet Concentration Areas, and associated support cost (each with varying scope and applicability based on (6) classroom configurations) FY15 Navigation Training

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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 / 01 / 6	P-1 Line Item Number / Title: 0670 / Other Navigation Equipment	Aggregated Items Title: Other Navigation Equipment
Equipment Procurement and installation funding supports equipment for (2) different mission critical tech refresh systems upgrades in classrooms at the Fleet Concentration Areas, and associated support cost (each with varying scope and applicability based on (6) classroom configurations) (5) GW056 FY15 ECDIS-N Modernization Procurement and installation funding supports software license purchase and equipment upgrades for (6) different mission critical tech refresh systems, (6) different ship alts, and associated support cost (each with varying scope and hull applicability based on ship configurations on (33) ships) (6)		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 6	P-1 Line Item Number / Title: 0670 / Other Navigation Equipment	Modification Number / Title: 1 / GW036: RING LASER GYRO COMPASS (AN/WSN-7B)

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>)	57.512	1.285	3.100	2.654	-	2.654	0.405	-	-	-	-	64.956
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	57.512	1.285	3.100	2.654	-	2.654	0.405	-	-	-	-	64.956
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	57.512	1.285	3.100	2.654	-	2.654	0.405	-	-	-	-	64.956
(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:

These funds are required for the procurement and installation of the AN/WSN-7B Ring Laser Gyrocompass (RLG) for SSN, MCM, and LSD platforms. System peripherals include Sync Amps, BIT Cables, and installation kits. MCM ships require quantity (2) AN/WSN-7B per ship.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 6										P-1 Line Item Number / Title: 0670 / Other Navigation Equipment										Modification Number / Title: 1 / GW036: RING LASER GYRO COMPASS (AN/WSN-7B)											
Modification Item 1 of 1: GW036: RING LASER GYRO COMPASS (AN/WSN-7B)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: NORTHROP GRUMMAN SYSTEEMS CORP.															Manufacturer Location: >CHARLOTTESVILLE, VA																
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 13																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates						Mar 2014				Dec 2014																					
Delivery Dates						Apr 2015				Jan 2016																					
Installation Information																															
Method of Implementation: AIT : Installation Name: EQUIPMENT																															
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		80 / 26.201		2 / 1.285		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		82 / 27.486							
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2014		- / -		- / -		- / -		2 / 0.826		- / -		2 / 0.826		- / -		- / -		- / -		- / -		- / -		2 / 0.826							
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.405		- / -		- / -		- / -		- / -		1 / 0.405							
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		80 / 26.201		2 / 1.285		- / -		2 / 0.826		- / -		2 / 0.826		1 / 0.405		- / -		- / -		- / -		- / -		85 / 28.717							
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	80	-	-	2	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85
Out	80	-	-	2	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 6	P-1 Line Item Number / Title: 0670 / Other Navigation Equipment	Modification Number / Title: 2 / GW050: SCALABLE ECDIS-N

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>)	30.345	4.123	1.995	-	-	-	-	-	-	-	-	36.463
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	30.345	4.123	1.995	-	-	-	-	-	-	-	-	36.463
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	30.345	4.123	1.995	-	-	-	-	-	-	-	-	36.463
<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:

These funds are required for procurement of Scalable ECDIS-N systems for surface combatants, amphibious ships and carriers.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 6				P-1 Line Item Number / Title: 0670 / Other Navigation Equipment				Modification Number / Title: 2 / GW050: SCALABLE ECDIS-N					
Models of Systems Affected: GW050 SCALABLE ECDIS-N				Modification Type: SCALABLE ECDIS-N				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: GW050: SCALABLE ECDIS-N													
B Kits													
Recurring													
1.1.1) EQUIPMENT - NonOrganic	53 / 13.996	6 / 1.934	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	59 / 15.930	
1.1.2) TRAINING EQUIPMENT - NonOrganic	5 / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.500	
Subtotal: Recurring	- / 15.496	- / 1.934	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.430	
Subtotal: GW050: SCALABLE ECDIS-N	58 / 15.496	6 / 1.934	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	64 / 17.430	
Subtotal: Procurement, All Modification Items	- / 15.496	- / 1.934	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.430	
Installation													
Modification Item 1 of 1: GW050: SCALABLE ECDIS-N	- / 14.849	- / 2.189	- / 1.995	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.033	
Subtotal: Installation	- / 14.849	- / 2.189	- / 1.995	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.033	
Total													
Total Cost (Procurement + Support + Installation)	30.345	4.123	1.995	-	-	-	-	-	-	-	-	36.463	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 6										P-1 Line Item Number / Title: 0670 / Other Navigation Equipment										Modification Number / Title: 2 / GW050: SCALABLE ECDIS-N											
Modification Item 1 of 1: GW050: SCALABLE ECDIS-N																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: NORTHROP GRUMMAN SYSTEEMS CORP.															Manufacturer Location: >CHARLOTTESVILLE, VA																
Administrative Leadtime (in Months): 2															Production Leadtime (in Months): 6																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		May 2013				Jan 2014																									
Delivery Dates		Nov 2013				Jul 2014																									
Installation Information																															
Method of Implementation: AIT : Installation Name: EQUIPMENT																															
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		53 / 14.849		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		53 / 14.849					
FY 2013		- / -		4 / 2.150		2 / 1.995		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 4.145					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		53 / 14.849		4 / 2.150		2 / 1.995		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		59 / 18.994					
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	53	-	-	-	4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59
Out	53	-	-	-	4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59
Method of Implementation: [none specified] : Installation Name: TRAINING EQUIPMENT																															
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		- / -		- / 0.039		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.039							

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 6	P-1 Line Item Number / Title: 0670 / Other Navigation Equipment	Modification Number / Title: 2 / GW050: SCALABLE ECDIS-N

Modification Item 1 of 1: GW050: SCALABLE ECDIS-N

Modification Item MDAP/MAIS Code:

Installation Information

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

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)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / 0.039	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.039

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	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 6	P-1 Line Item Number / Title: 0670 / Other Navigation Equipment	Modification Number / Title: 3 / GW053: INERTIAL NAVIGATION SYSTEM (INS) MODERNIZATION

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>	0.000	-	-	-	-	-	8.403	8.448	8.629	8.781	-	34.261
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	-	-	-	8.403	8.448	8.629	8.781	-	34.261
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	-	-	-	8.403	8.448	8.629	8.781	-	34.261

(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:

These funds are required for modernization of Inertial Navigation Systems (INS) to address obsolescence and provide improved performance in support of Ballistic Missile Defense (BMD).

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 6				P-1 Line Item Number / Title: 0670 / Other Navigation Equipment				Modification Number / Title: 3 / GW053: INERTIAL NAVIGATION SYSTEM (INS) MODERNIZATION					
Models of Systems Affected: GW053 INERTIAL NAVIGATION SYSTEM (INS) MODERNIZATION				Modification Type: INERTIAL NAVIGATION SYSTEM (INS) MODERNIZATION				Related RDT&E PEs: 0204228N					
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: GW053: INERTIAL NAVIGATION SYSTEM (INS) MODERNIZATION													
B Kits													
Recurring													
1.1.1) EQUIPMENT - NonOrganic ⁽⁷⁾	- / -	- / -	- / -	- / -	- / -	- / -	8 / 4.280	8 / 4.353	8 / 4.432	8 / 4.516	- / -	32 / 17.581	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 4.280	- / 4.353	- / 4.432	- / 4.516	- / -	- / 17.581	
Subtotal: GW053: INERTIAL NAVIGATION SYSTEM (INS) MODERNIZATION	- / -	- / -	- / -	- / -	- / -	- / -	8 / 4.280	8 / 4.353	8 / 4.432	8 / 4.516	- / -	32 / 17.581	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 4.280	- / 4.353	- / 4.432	- / 4.516	- / -	- / 17.581	
Installation													
Modification Item 1 of 1: GW053: INERTIAL NAVIGATION SYSTEM (INS) MODERNIZATION	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 4.123	- / 4.095	- / 4.197	- / 4.265	- / -	- / 16.680	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 4.123	- / 4.095	- / 4.197	- / 4.265	- / -	- / 16.680	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	8.403	8.448	8.629	8.781	-	34.261	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 6				P-1 Line Item Number / Title: 0670 / Other Navigation Equipment				Modification Number / Title: 3 / GW053: INERTIAL NAVIGATION SYSTEM (INS) MODERNIZATION																								
Modification Item 1 of 1: GW053: INERTIAL NAVIGATION SYSTEM (INS) MODERNIZATION																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: TBD							Manufacturer Location: >TBD																									
Administrative Leadtime (<i>in Months</i>): 3							Production Leadtime (<i>in Months</i>): 6																									
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																									
Contract Dates				Dec 2015	Dec 2016	Dec 2017	Dec 2018																									
Delivery Dates				Jun 2016	Jun 2017	Jun 2018	Jun 2019																									
Installation Information																																
Method of Implementation: [none specified] : Installation Name: EQUIPMENT																																
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																				
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																			
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	8 / 4.123	- / -	- / -	- / -	- / -	- / -	8 / 4.123																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 4.095	- / -	- / -	- / -	- / -	8 / 4.095																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 4.197	- / -	- / -	- / -	8 / 4.197																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 4.265	- / -	- / -	8 / 4.265																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	- / -	- / -	- / -	- / -	- / -	- / -	8 / 4.123	8 / 4.095	8 / 4.197	8 / 4.265	- / -	- / -	32 / 16.680																			
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	-	-	4	4	-	-	4	4	-	-	4	4	-	-	32
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	-	-	4	4	-	-	4	4	-	-	4	4	-	-	32
Footnotes: (7) Due to delays of the development of Inertial Navigation System Replacement (INS-R); funding was realigned to GW051 in support of the Departments prioritization to support the CNO directive that all ships transition to electronic charting.																																

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 6	P-1 Line Item Number / Title: 0670 / Other Navigation Equipment	Modification Number / Title: 4 / GW055: AN/WSN-9 SPEED LOG PROCUREMENT

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>	0.000	-	1.900	3.391	-	3.391	3.776	-	-	-	-	9.067
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	1.900	3.391	-	3.391	3.776	-	-	-	-	9.067
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	1.900	3.391	-	3.391	3.776	-	-	-	-	9.067

(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:

These funds are for the procurement of AN/WSN-9 Speed Log upgrades on LSD ships.

Funding was initiated in FY14 as part of the Departments priorities to replace legacy MK 4 EM logs. Inability to procure new MK 4 systems or repair components has impacted support efforts. The ISEA is rapidly depleting decommissioned assets to support deployed systems.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 6				P-1 Line Item Number / Title: 0670 / Other Navigation Equipment				Modification Number / Title: 4 / GW055: AN/WSN-9 SPEED LOG PROCUREMENT					
Models of Systems Affected: GW055 AN/WSN-9 SPEED LOG PROCUREMENT				Modification Type: AN/WSN-9 SPEED LOG PROCUREMENT				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: GW055: AN/WSN-9 SPEED LOG PROCUREMENT													
B Kits													
Recurring													
1.1.1) EQUIPMENT - NonOrganic	- / -	- / -	4 / 1.675	4 / 2.240	- / -	4 / 2.240	4 / 2.465	- / -	- / -	- / -	- / -	12 / 6.380	
Subtotal: Recurring	- / 0.000	- / -	- / 1.675	- / 2.240	- / -	- / 2.240	- / 2.465	- / -	- / -	- / -	- / -	- / 6.380	
Subtotal: GW055: AN/WSN-9 SPEED LOG PROCUREMENT	- / -	- / -	4 / 1.675	4 / 2.240	- / -	4 / 2.240	4 / 2.465	- / -	- / -	- / -	- / -	12 / 6.380	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 1.675	- / 2.240	- / -	- / 2.240	- / 2.465	- / -	- / -	- / -	- / -	- / 6.380	
Installation													
Modification Item 1 of 1: GW055: AN/WSN-9 SPEED LOG PROCUREMENT	- / 0.000	- / -	- / 0.225	- / 1.151	- / -	- / 1.151	- / 1.311	- / -	- / -	- / -	- / -	- / 2.687	
Subtotal: Installation	- / 0.000	- / -	- / 0.225	- / 1.151	- / -	- / 1.151	- / 1.311	- / -	- / -	- / -	- / -	- / 2.687	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	1.900	3.391	-	3.391	3.776	-	-	-	-	9.067	
</													

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 6										P-1 Line Item Number / Title: 0670 / Other Navigation Equipment										Modification Number / Title: 4 / GW055: AN/WSN-9 SPEED LOG PROCUREMENT											
Modification Item 1 of 1: GW055: AN/WSN-9 SPEED LOG PROCUREMENT																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: WR Systems															Manufacturer Location: >Norfolk, VA																
Administrative Leadtime (<i>in Months</i>): 3															Production Leadtime (<i>in Months</i>): 6																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates						Dec 2013				Dec 2014				Dec 2015																	
Delivery Dates						May 2014				May 2015				May 2016																	
Installation Information																															
Method of Implementation: AIT : Installation Name: EQUIPMENT																															
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		- / -	- / -		1 / 0.225		3 / 0.687		- / -		3 / 0.687		- / -		- / -		- / -		- / -		- / -		- / -		4 / 0.912						
FY 2015		- / -	- / -		- / -		2 / 0.464		- / -		2 / 0.464		2 / 0.416		- / -		- / -		- / -		- / -		- / -		4 / 0.880						
FY 2016		- / -	- / -		- / -		- / -		- / -		- / -		4 / 0.895		- / -		- / -		- / -		- / -		- / -		4 / 0.895						
FY 2017		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2018		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2019		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		- / -	- / -		1 / 0.225		5 / 1.151		- / -		5 / 1.151		6 / 1.311		- / -		- / -		- / -		- / -		- / -		12 / 2.687						
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	3	-	-	2	2	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Out	-	-	-	-	-	-	-	-	1	3	-	-	2	2	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	12

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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 01: Ships Support Equipment / BSA 8: Periscopes	P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip

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>)	471.812	48.741	44.304	60.970	-	60.970	65.447	50.110	62.094	74.997	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	471.812	48.741	44.304	60.970	-	60.970	65.447	50.110	62.094	74.997	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	471.812	48.741	44.304	60.970	-	60.970	65.447	50.110	62.094	74.997	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>)	-	1.694	0.734	5.244	-	5.244	5.823	2.031	3.102	1.133	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:

The Submarine Periscopes and Imaging Equipment Program procures the Type 18 and Type 8 periscope upgrades; all variants of Photonics Mast (PM), including Low Profile Photonics Mast (LPPM) and 360 degree imaging capability and incorporates it in the Integrated Submarine Imaging System (ISIS), and VIRGINIA Class imaging upgrades and Photonics land based spares. Commander Naval Submarine Force (CNSF), Operations Review Group (ORG) selected the Periscope Acquisition, Tracking, and Ranging with Improved Observation Techniques (PATRIOT) Type 18 Periscope Rangefinder and the Night Owl Type 8 Infra-Red (IR) Periscope as high priority tactical control technologies to field. By OPNAV Ltr Ser. N77/3U629209, 12 June 2003, OPNAV N87 established the ISIS to rapidly field these systems and integrate existing periscope imagery systems into a single system for installation on board submarines. An ISIS capability development document (CDD) was approved 22 Dec, 2011. The CDD is used to fully integrate the ISIS program of record into the submarine force's rapid insertion technology process and to incorporate Fleet-endorsed requirements such as LPPM that are not levied by the ISIS Operational Requirements Documents. ISIS supports high intensity operations in the littorals, providing the submarine force with the tactical imaging systems necessary to safely and effectively employ its surveillance and weapons capabilities. The Infra-Red (IR) imaging capability improves imaging at night and in low visibility conditions. The PATRIOT Automated Range Finder provides a 360 degree search independent of the visual search, enhanced situational awareness and provides a collision avoidance capability. Tactical Imagery Technology Insertion includes the common control and displays hardware and software on all platforms regardless of imaging sensors, an integrated imaging system that provides for operator alerts, imaging enhancement tools and contact analysis tools, and a fully Submarine Warfare Federated Tactical Systems (SWFTS) integrated system providing "any display anywhere." Funding improves submarine imaging capability in the areas of: ship safety, Intelligence, Surveillance and Reconnaissance (ISR), tactical control (contact management in the littorals) to provide high quality imaging 24 hours a day, 7 days a week in all weather conditions to support submarine operations worldwide. ISIS provides for the modernization of imaging systems to improve imaging capabilities for the submarine force in support of ISR requirements. This includes the integration of new capabilities, both inboard hardware and software, into the Type 18 and Type 8 Periscopes for LOS ANGELES Class and SEAWOLF Class submarines, the Photonics Mast Variant (PMV) for SSGN, and Photonics Mast upgrades to the VIRGINIA Class AN/BVS-1 including the AN/BVY-1 ISIS capability and LPPM.

PL010 - Imaging ISIS Technical Insertions - Continuing in FY15 funding procures Imaging systems and Technical Insertion kits and spares to upgrade ISIS systems on LOS ANGELES, SEAWOLF, VA and OHIO Class SSGN platforms to allow for Capability Insertion and obsolescence avoidance.

PL011 - Imaging Block Upgrades - FY15 funding continues procurement of Periscopes and Imaging Equipment reliability, capability, and maintainability upgrades, e.g., Eyepiece Box, periscope mechanical hoisting mechanism upgrades, inboard electronic processing hardware and associated Integrated Logistics Support (ILS), Robust Surveillance Program, Certification of regional repair centers for Imaging System maintenance and technical data. Variable quantities and types are bought in each fiscal year.

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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 01: Ships Support Equipment / BSA 8: Periscopes									P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip								
ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:							Other Related Program Elements:					
PL012 - Funds procure replacement in support of Special Support Equipment (SSE) for each maintenance level to ensure systems are maintained in a state of operational readiness. Equipment includes Q-Band Test Equipment, Mast Dynamic Collimator, Eyebow/Mast Test Set, and Antenna/Outer Head Simulator required due to obsolescence and age of existing imaging systems SSE.																	
PL015 - Funding is for Interim Contract Support provided by the periscope manufacturer. The majority of the funding is for Type18 service life extension, depot repair and upgrades for all configurations of Photonics Masts. It also funds all levels of repairs for all types of tactical submarine imaging systems.																	
PL016 - Funding is for imaging systems training requirements to include curriculum development, training materials, and initial factory training pilot course conduct, Navy Training Plans, and instructor advisory services.																	
PL022 - Funding is for the procurement of SSN ISIS Imaging Systems. ISIS provides for the modernization of imaging systems to improve imaging capabilities for the submarine force in support of ISR requirements. This includes the integration of the Type 18 PATRIOT Automated Range Finder and Type 8 IR Periscope as well as other new capabilities into the Type 18 and Type 8 Periscopes.																	
PL023 - Funding is for the procurement and support of VIRGINIA Class ISIS Imaging Systems, as well as, Technical Insertions required for sustainment of VIRGINIA Class platforms. For FY13 and prior years this includes the integration of the Mast Technical Insertions into the Photonics Mast. These systems support submarine force ISR requirements through the modernization of legacy hardware which allows for Capability Insertion, obsolescence avoidance, and improved system reliability.																	
PL025 - Funding is for the procurement; support and technical insertion of VIRGINIA Class LPPM production and land based spares and associated components. The spares will be used for replacement of LP masts on VIRGINIA class Submarines in the event of catastrophic failure.																	
PL830 - Production Engineering funds provide the following functions: value engineering; review and evaluation of production design data and documentation; production configuration control; maintenance engineering efforts designed and incorporated into the production manufacturing process, and other related engineering functions that are integral to all of the Imaging Systems and ancillary components.																	
PL900 - Imaging Systems engineering, technical and maintenance services funds provide the following functions: In-Service engineering and technical support to deployed Periscope and Imaging Equipment, imaging system installation and integration planning, SHIPALT and TEMPALT technical data preparation, production hardware design review, engineering/technical support for installations, training materials development, field engineering and technical problem resolution, block upgrade installation planning, configuration management, and maintenance planning including inventory, management, repair, and restoration scheduling.																	
PL927 - Funding is for the installation of Fleet Modernization Program Equipment.																	
PL4M7 - Funding is for the installation of non-Fleet Modernization Program 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)
SUBMARINE PERISCOPES & IMAGING EQUIPMENT	P-40a		-	-	82.926	-	-	10.507	-	-	15.853	-	-	15.319	-	-	-	-	-	15.319

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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 01: Ships Support Equipment / BSA 8: Periscopes										P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip										
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:								
Exhibits Schedule			Prior Years			FY 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)
P-3a - 1 / PL010 - Imaging ISIS Technical Insertion	P-3a		-	-	0.000	-	-	-	-	-	23.879	-	-	28.559	-	-	-	-	-	28.559
P-3a - 2 / PL011 Imaging Block Upgrades/Technical Insertions Imaging: Type 8/ Type 18	P-3a		-	-	19.684	-	-	0.346	-	-	0.351	-	-	0.358	-	-	-	-	-	0.358
P-3a - 3 / PL011 Imaging Block Upgrades/Technical Insertions Imaging: ISIS	P-3a		-	-	34.131	-	-	10.959	-	-	1.776	-	-	-	-	-	-	-	-	-
P-3a - 4 / PL022 Integrated Submarine Imaging System (ISIS) Increment I Capability Insertion	P-3a		-	-	285.035	-	-	10.549	-	-	1.046	-	-	-	-	-	-	-	-	-
P-3a - 5 / PL023 VIRGINIA Class Imaging Modernization AN/BVS-1 ISIS	P-3a		-	-	42.339	-	-	11.963	-	-	1.186	-	-	-	-	-	-	-	-	-
P-3a - 6 / PL023 VIRGINIA Class Imaging Modernization AN/BVS-1 MAST Tech Insertion	P-3a		-	-	7.697	-	-	4.417	-	-	0.213	-	-	-	-	-	-	-	-	-
P-3a - 7 / PL025 Low Profile Photonics Mast (LPPM)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	16.734	-	-	-	-	-	16.734
Total Gross/Weapon System Cost			-	-	471.812	-	-	48.741	-	-	44.304	-	-	60.970	-	-	-	-	-	60.970
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			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)
SUBMARINE PERISCOPES & IMAGING EQUIPMENT	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / PL010 - Imaging ISIS Technical Insertion	P-3a		-	-	34.097	-	-	30.701	-	-	33.479	-	-	34.768	-	-	5.235	-	-	190.718
P-3a - 2 / PL011 Imaging Block Upgrades/Technical Insertions Imaging: Type 8/ Type 18	P-3a		-	-	0.365	-	-	0.371	-	-	0.378	-	-	0.386	-	-	0.126	-	-	22.365
P-3a - 3 / PL011 Imaging Block Upgrades/Technical Insertions Imaging: ISIS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.866
P-3a - 4 / PL022 Integrated Submarine Imaging System (ISIS) Increment I Capability Insertion	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	296.630

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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 01: Ships Support Equipment / BSA 8: Periscopes											P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip										
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:								Other Related Program Elements:							
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			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)	
P-3a - 5 / PL023 VIRGINIA Class Imaging Modernization AN/BVS-1 ISIS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.488	
P-3a - 6 / PL023 VIRGINIA Class Imaging Modernization AN/BVS-1 MAST Tech Insertion	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.327	
P-3a - 7 / PL025 Low Profile Photonics Mast (LPPM)	P-3a		-	-	8.526	-	-	2.263	-	-	9.618	-	-	18.043	-	-	-	-	-	55.184	
Total Gross/Weapon System Cost			-	-	65.447	-	-	50.110	-	-	62.094	-	-	74.997	Continuing			Continuing			
*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.																					

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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 / 01 / 8									P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip						Aggregated Items Title: SUBMARINE PERISCOPES & IMAGING 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	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) PL012 PERISCOPE SPECIAL SUPPORT EQUIPMENT																				
1.1) SPECIAL SUPPORT EQUIPMENT	A		-	-	4.356	-	-	0.509	-	-	0.518	-	-	0.528	-	-	-	-	-	0.528
Subtotal: 1) PL012 PERISCOPE SPECIAL SUPPORT EQUIPMENT			-	-	4.356	-	-	0.509	-	-	0.518	-	-	0.528	-	-	-	-	-	0.528
2) PL015 PERISCOPE INTERIM CONTRACTOR SUPPORT ⁽¹⁾																				
2.1) INTERIM CONTRACTOR SUPPORT ⁽²⁾	A		-	-	52.215	-	-	7.250	-	-	11.320	-	-	10.698	-	-	-	-	-	10.698
Subtotal: 2) PL015 PERISCOPE INTERIM CONTRACTOR SUPPORT			-	-	52.215	-	-	7.250	-	-	11.320	-	-	10.698	-	-	-	-	-	10.698
3) PL016 PERISCOPE TRAINING																				
3.1) TRAINING	A		-	-	1.110	-	-	0.169	-	-	0.172	-	-	0.176	-	-	-	-	-	0.176
Subtotal: 3) PL016 PERISCOPE TRAINING			-	-	1.110	-	-	0.169	-	-	0.172	-	-	0.176	-	-	-	-	-	0.176
4) PL830 PERISCOPE PRODUCTION ENGINEERING																				
4.1) PRODUCTION ENGINEERING	A		-	-	21.575	-	-	2.201	-	-	3.459	-	-	3.525	-	-	-	-	-	3.525
Subtotal: 4) PL830 PERISCOPE PRODUCTION ENGINEERING			-	-	21.575	-	-	2.201	-	-	3.459	-	-	3.525	-	-	-	-	-	3.525
5) PL900 PERISCOPE CONSULTING SERVICES																				
5.1) CONSULTING SERVICES	A		-	-	3.670	-	-	0.378	-	-	0.384	-	-	0.392	-	-	-	-	-	0.392
Subtotal: 5) PL900 PERISCOPE CONSULTING SERVICES			-	-	3.670	-	-	0.378	-	-	0.384	-	-	0.392	-	-	-	-	-	0.392
Total			-	-	82.926	-	-	10.507	-	-	15.853	-	-	15.319	-	-	-	-	-	15.319

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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 / 01 / 8								P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip							Aggregated Items Title: SUBMARINE PERISCOPES & IMAGING EQUIPMENT				

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) PL012 PERISCOPE SPECIAL SUPPORT EQUIPMENT																				
1.1) SPECIAL SUPPORT EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) PL012 PERISCOPE SPECIAL SUPPORT EQUIPMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) PL015 PERISCOPE INTERIM CONTRACTOR SUPPORT ⁽¹⁾																				
2.1) INTERIM CONTRACTOR SUPPORT ⁽²⁾	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) PL015 PERISCOPE INTERIM CONTRACTOR SUPPORT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) PL016 PERISCOPE TRAINING																				
3.1) TRAINING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) PL016 PERISCOPE TRAINING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) PL830 PERISCOPE PRODUCTION ENGINEERING																				
4.1) PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) PL830 PERISCOPE PRODUCTION ENGINEERING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) PL900 PERISCOPE CONSULTING SERVICES																				
5.1) CONSULTING SERVICES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) PL900 PERISCOPE CONSULTING SERVICES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

⁽¹⁾ FY13 reduction is due to sequestration.

⁽²⁾ Increases in FY16 and FY19 are due to Low Profile Photonics Mast (LPPM) repair components.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8	P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip	Modification Number / Title: 1 / PL010 - Imaging ISIS Technical Insertion

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>)	0.000	-	23.879	28.559	-	28.559	34.097	30.701	33.479	34.768	5.235	190.718
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	23.879	28.559	-	28.559	34.097	30.701	33.479	34.768	5.235	190.718
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	23.879	28.559	-	28.559	34.097	30.701	33.479	34.768	5.235	190.718
(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:

Provides for the modernization of Imaging systems and Technical Insertion kits to upgrade ISIS systems on LOS ANGELES, SEAWOLF, VA and OHIO Class SSGN platforms in support of Intelligence, Surveillance and Reconnaissance (ISR) requirements.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8				P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip				Modification Number / Title: 1 / PL010 - Imaging ISIS Technical Insertion					
Models of Systems Affected: ISIS TI				Modification Type: ORDALT				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: PL010 - Imaging ISIS Technical Insertion													
B Kits													
Recurring													
1.1.1) ISIS TECHNICAL INSERTION - NonOrganic ⁽³⁾	- / -	- / -	3 / 6.757	6 / 13.771	- / -	6 / 13.771	16 / 17.875	11 / 17.187	18 / 20.869	18 / 20.353	- / -	72 / 96.812	
1.1.2) ISIS TI CCM - Organic	- / -	- / -	1 / 0.966	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.966	
Subtotal: Recurring	- / 0.000	- / -	- / 7.723	- / 13.771	- / -	- / 13.771	- / 17.875	- / 17.187	- / 20.869	- / 20.353	- / -	- / 97.778	
Subtotal: PL010 - Imaging ISIS Technical Insertion	- / -	- / -	4 / 7.723	6 / 13.771	- / -	6 / 13.771	16 / 17.875	11 / 17.187	18 / 20.869	18 / 20.353	- / -	73 / 97.778	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 7.723	- / 13.771	- / -	- / 13.771	- / 17.875	- / 17.187	- / 20.869	- / 20.353	- / -	- / 97.778	
Support (All Modification Items)													
2.1) ISIS TECHNICAL INSERTION NRE ⁽⁴⁾	- / -	- / -	- / 16.156	- / 12.813	- / -	- / 12.813	- / 12.547	- / 8.930	- / 9.105	- / 9.278	- / -	- / 68.829	
Subtotal: Support	- / 0.000	- / -	- / 16.156	- / 12.813	- / -	- / 12.813	- / 12.547	- / 8.930	- / 9.105	- / 9.278	- / -	- / 68.829	
Installation													
Modification Item 1 of 1: PL010 - Imaging ISIS Technical Insertion	- / 0.000	- / -	- / -	- / 1.975	- / -	- / 1.975	- / 3.675	- / 4.584	- / 3.505	- / 5.137	- / 5.235	- / 24.111	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 1.975	- / -	- / 1.975	- / 3.675	- / 4.584	- / 3.505	- / 5.137	- / 5.235	- / 24.111	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	23.879	28.559	-	28.559	34.097	30.701	33.479	34.768	5.235	190.718	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																													
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8										P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip										Modification Number / Title: 1 / PL010 - Imaging ISIS Technical Insertion																			
Modification Item 1 of 1: PL010 - Imaging ISIS Technical Insertion																																							
Modification Item MDAP/MAIS Code:																																							
Manufacturer Information																																							
Manufacturer Name: LMC															Manufacturer Location: >Manassas, VA																								
Administrative Leadtime (<i>in Months</i>): 6															Production Leadtime (<i>in Months</i>): 12																								
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019													
Contract Dates						Mar 2014				Mar 2015				Mar 2016				Mar 2017				Mar 2018				Mar 2019													
Delivery Dates						Mar 2015				Mar 2016				Mar 2017				Mar 2018				Mar 2019				Mar 2020													
Installation Information																																							
Method of Implementation: AIT : Installation Name: ISIS TECHNICAL INSERTION																																							
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																
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>																
Prior Years		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -														
FY 2013		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -														
FY 2014		- / -	- / -		- / -		3 / 1.326		- / -		3 / 1.326		- / -		- / -		- / -		- / -		- / -		- / -		3 / 1.326														
FY 2015		- / -	- / -		- / -		- / 0.649		- / -		- / 0.649		6 / 2.675		- / -		- / -		- / -		- / -		- / -		6 / 3.324														
FY 2016		- / -	- / -		- / -		- / -		- / -		- / -		- / 1.000		16 / 4.584		- / -		- / -		- / -		- / -		16 / 5.584														
FY 2017		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		11 / 3.505		- / -		- / -		- / -		11 / 3.505														
FY 2018		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		18 / 5.137		- / -		- / -		18 / 5.137														
FY 2019		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		18 / 5.235		- / -		18 / 5.235														
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -														
Total		- / -	- / -		- / -		3 / 1.975		- / -		3 / 1.975		6 / 3.675		16 / 4.584		11 / 3.505		18 / 5.137		18 / 5.235		- / -		72 / 24.111														
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	1	-	-	2	3	1	-	5	6	5	-	5	4	2	-	6	6	6	18	72								
Out	-	-	-	-	-	-	-	-	-	-	2	1	-	-	2	3	1	-	5	6	5	-	5	4	2	-	6	6	6	18	72								
Method of Implementation (Organic): Not Installed - ISIS TI CCM																														Installation Quantity: 1									
Footnotes:																																							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8	P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip	Modification Number / Title: 1 / PL010 - Imaging ISIS Technical Insertion

⁽³⁾ Technical Insertions are procured in multiple configurations and capabilities. Unit Cost varies between configurations as noted below. Increased average unit cost in FY15 driven by procurement of VIRGINIA Class ISIS Backfit Kits. Similarly FY16 average unit procurement costs lower due to smaller size of SSBN Mods.

⁽⁴⁾ Install funding \$649K in FY15 OMS-200 TEMPALT to TI10+ and \$1M in FY16 Shipalt Non-recurring Cost.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8	P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip	Modification Number / Title: 2 / PL011 Imaging Block Upgrades/ Technical Insertions Imaging: Type 8/ Type 18

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>	19.684	0.346	0.351	0.358	-	0.358	0.365	0.371	0.378	0.386	0.126	22.365
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	19.684	0.346	0.351	0.358	-	0.358	0.365	0.371	0.378	0.386	0.126	22.365
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	19.684	0.346	0.351	0.358	-	0.358	0.365	0.371	0.378	0.386	0.126	22.365

(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:

Provides obsolescence related upgrades for Submarine Periscopes.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8				P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip					Modification Number / Title: 2 / PL011 Imaging Block Upgrades/ Technical Insertions Imaging: Type 8/ Type 18				
Models of Systems Affected: TYPE 8/TYPE 18				Modification Type: ORDALT					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: PL011 Imaging Block Upgrades/Technical Insertions Imaging: Type 8/Type 18													
B Kits													
Recurring													
1.1.1) TYPE 8/TYPE 18 - NonOrganic ⁽⁵⁾	63 / 14.968	1 / 0.235	1 / 0.239	1 / 0.243	- / -	1 / 0.243	1 / 0.248	1 / 0.252	1 / 0.257	1 / 0.262	- / -	70 / 16.704	
Subtotal: Recurring	- / 14.968	- / 0.235	- / 0.239	- / 0.243	- / -	- / 0.243	- / 0.248	- / 0.252	- / 0.257	- / 0.262	- / -	- / 16.704	
Subtotal: PL011 Imaging Block Upgrades/Technical Insertions Imaging: Type 8/Type 18	63 / 14.968	1 / 0.235	1 / 0.239	1 / 0.243	- / -	1 / 0.243	1 / 0.248	1 / 0.252	1 / 0.257	1 / 0.262	- / -	70 / 16.704	
Subtotal: Procurement, All Modification Items	- / 14.968	- / 0.235	- / 0.239	- / 0.243	- / -	- / 0.243	- / 0.248	- / 0.252	- / 0.257	- / 0.262	- / -	- / 16.704	
Installation													
Modification Item 1 of 1: PL011 Imaging Block Upgrades/Technical Insertions Imaging: Type 8/Type 18	- / 4.716	- / 0.111	- / 0.112	- / 0.115	- / -	- / 0.115	- / 0.117	- / 0.119	- / 0.121	- / 0.124	- / 0.126	- / 5.661	
Subtotal: Installation	- / 4.716	- / 0.111	- / 0.112	- / 0.115	- / -	- / 0.115	- / 0.117	- / 0.119	- / 0.121	- / 0.124	- / 0.126	- / 5.661	
Total													
Total Cost (Procurement + Support + Installation)	19.684	0.346	0.351	0.358	-	0.358	0.365	0.371	0.378	0.386	0.126	22.365	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8	P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip	Modification Number / Title: 2 / PL011 Imaging Block Upgrades/ Technical Insertions Imaging: Type 8/ Type 18

Modification Item 1 of 1: PL011 Imaging Block Upgrades/Technical Insertions Imaging: Type 8/Type 18

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Multiple Vendors Manufacturer Location: >Various

Administrative Leadtime (in Months): 6 Production Leadtime (in Months): 14

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Mar 2013	Mar 2014	Mar 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019
Delivery Dates	May 2014	May 2015	May 2016	May 2017	May 2018	May 2019	May 2020

Installation Information

Method of Implementation: AIT : Installation Name: TYPE 8/TYPE 18

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	62 / 4.716	1 / 0.111	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	63 / 4.827
FY 2013	- / -	- / -	1 / 0.112	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.112
FY 2014	- / -	- / -	- / -	1 / 0.115	- / -	1 / 0.115	- / -	- / -	- / -	- / -	- / -	1 / 0.115
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.117	- / -	- / -	- / -	- / -	1 / 0.117
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.119	- / -	- / -	- / -	1 / 0.119
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.121	- / -	- / -	1 / 0.121
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.124	- / -	1 / 0.124
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.126	1 / 0.126
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	62 / 4.716	1 / 0.111	1 / 0.112	1 / 0.115	- / -	1 / 0.115	1 / 0.117	1 / 0.119	1 / 0.121	1 / 0.124	1 / 0.126	70 / 5.661

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	62	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	1	70
Out	62	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	1	70

Footnotes:
⁽⁵⁾ Imaging Block Upgrades are procured in variable quantities and types, and are bought from a variety of vendors in each fiscal year.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8	P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip	Modification Number / Title: 3 / PL011 Imaging Block Upgrades/ Technical Insertions Imaging: ISIS

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>	34.131	10.959	1.776	-	-	-	-	-	-	-	-	46.866
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	34.131	10.959	1.776	-	-	-	-	-	-	-	-	46.866
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	34.131	10.959	1.776	-	-	-	-	-	-	-	-	46.866
<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:

Imaging Technical Insertion kits upgrade the Integrated Submarine Imaging System (ISIS) on LOS ANGELES, SEAWOLF, and OHIO Class (SSGN) platforms to allow for obsolescence avoidance.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8				P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip				Modification Number / Title: 3 / PL011 Imaging Block Upgrades/ Technical Insertions Imaging: ISIS					
Models of Systems Affected: ISIS IMAGING BLOCK UPGRADES/TECHNICAL INSERTIONS				Modification Type: ORDALT				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: PL011 Imaging Block Upgrades/Technical Insertions Imaging: ISIS													
B Kits													
Recurring													
1.1.1) TECHNICAL INSERTIONS - NonOrganic	13 / 12.145	4 / 3.792	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 15.937	
Subtotal: Recurring	- / 12.145	- / 3.792	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.937	
Subtotal: PL011 Imaging Block Upgrades/Technical Insertions Imaging: ISIS	13 / 12.145	4 / 3.792	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 15.937	
Subtotal: Procurement, All Modification Items	- / 12.145	- / 3.792	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.937	
Support (All Modification Items)													
2.1) TECHNICAL INSERTION NRE	- / 17.185	- / 5.951	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.136	
Subtotal: Support	- / 17.185	- / 5.951	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.136	
Installation													
Modification Item 1 of 1: PL011 Imaging Block Upgrades/Technical Insertions Imaging: ISIS	- / 4.801	- / 1.216	- / 1.776	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.793	
Subtotal: Installation	- / 4.801	- / 1.216	- / 1.776	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.793	
Total													
Total Cost (Procurement + Support + Installation)	34.131	10.959	1.776	-	-	-	-	-	-	-	-	46.866	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8										P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip										Modification Number / Title: 3 / PL011 Imaging Block Upgrades/ Technical Insertions Imaging: ISIS											
Modification Item 1 of 1: PL011 Imaging Block Upgrades/Technical Insertions Imaging: ISIS																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: LMC															Manufacturer Location: >Manassas, VA																
Administrative Leadtime (in Months): 6															Production Leadtime (in Months): 12																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Mar 2013																													
Delivery Dates		Mar 2014																													
Installation Information																															
Method of Implementation: AIT : Installation Name: TECHNICAL INSERTIONS																															
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		10 / 4.801	3 / 1.216	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 6.017																		
FY 2013		- / -	- / -	4 / 1.776	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.776																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		10 / 4.801	3 / 1.216	4 / 1.776	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 7.793																		
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	10	-	-	2	1	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
Out	10	-	-	2	1	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8	P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip	Modification Number / Title: 4 / PL022 Integrated Submarine Imaging System (ISIS) Increment I Capability Insertion

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>	285.035	10.549	1.046	-	-	-	-	-	-	-	-	296.630
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	285.035	10.549	1.046	-	-	-	-	-	-	-	-	296.630
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	285.035	10.549	1.046	-	-	-	-	-	-	-	-	296.630
<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:

Provides for the modernization of submarine imaging systems to improve imaging capabilities in support of Intelligence, Surveillance and Reconnaissance (ISR) requirements.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8				P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip						Modification Number / Title: 4 / PL022 Integrated Submarine Imaging System (ISIS) Increment I Capability Insertion			
Models of Systems Affected: ISIS INCREMENT I				Modification Type: SHIPALT					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: PL022 Integrated Submarine Imaging System (ISIS) Increment I Capability Insertion													
B Kits													
Recurring													
1.1.1) ISIS CAPABILITY INSERTION - NonOrganic	45 / 206.087	2 / 6.937	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 213.024	
1.1.2) CAPABILITY INSERTION SPARES/CCM - Organic	8 / 27.357	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 27.357	
Subtotal: Recurring	- / 233.444	- / 6.937	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 240.381	
Subtotal: PL022 Integrated Submarine Imaging System (ISIS) Increment I Capability Insertion	53 / 233.444	2 / 6.937	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 240.381	
Subtotal: Procurement, All Modification Items	- / 233.444	- / 6.937	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 240.381	
Support (All Modification Items)													
2.1) ISIS CAPABILITY INSERTION NRE	- / 14.339	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.339	
Subtotal: Support	- / 14.339	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.339	
Installation													
Modification Item 1 of 1: PL022 Integrated Submarine Imaging System (ISIS) Increment I Capability Insertion	- / 37.252	- / 3.612	- / 1.046	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 41.910	
Subtotal: Installation	- / 37.252	- / 3.612	- / 1.046	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 41.910	
Total													
Total Cost (Procurement + Support + Installation)	285.035	10.549	1.046	-	-	-	-	-	-	-	-	296.630	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8	P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip	Modification Number / Title: 4 / PL022 Integrated Submarine Imaging System (ISIS) Increment I Capability Insertion

Modification Item 1 of 1: PL022 Integrated Submarine Imaging System (ISIS) Increment I Capability Insertion

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Multiple Vendors				Manufacturer Location: >Various			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 17			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Mar 2013						
Delivery Dates	Aug 2014						

Installation Information

Method of Implementation: AIT : Installation Name: ISIS CAPABILITY INSERTION

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	40 / 37.252	5 / 3.612	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 40.864
FY 2013	- / -	- / -	2 / 1.046	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.046
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	40 / 37.252	5 / 3.612	2 / 1.046	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 41.910

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	40	2	1	1	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47
Out	40	2	1	1	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47

Method of Implementation (Organic): Not Installed - CAPABILITY INSERTION SPARES/CCM

Installation Quantity: 8

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8	P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip	Modification Number / Title: 5 / PL023 VIRGINIA Class Imaging Modernization AN/BVS-1 ISIS

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>	42.339	11.963	1.186	-	-	-	-	-	-	-	-	55.488
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	42.339	11.963	1.186	-	-	-	-	-	-	-	-	55.488
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	42.339	11.963	1.186	-	-	-	-	-	-	-	-	55.488

(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:

Provides for the modernization of VA Class submarine imaging systems to install the Integrated Submarine Imaging System (ISIS) capabilities in support of Intelligence, Surveillance and Reconnaissance (ISR) requirements.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8				P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip				Modification Number / Title: 5 / PL023 VIRGINIA Class Imaging Modernization AN/BVS-1 ISIS					
Models of Systems Affected: VA CLASS ISIS AN/ BVS-1				Modification Type: SHIPALT				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: PL023 VIRGINIA Class Imaging Modernization AN/BVS-1 ISIS													
B Kits													
Recurring													
1.1.1) VA CLASS ISIS - NonOrganic	4 / 23.126	2 / 6.939	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 30.065	
Subtotal: Recurring	- / 23.126	- / 6.939	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 30.065	
Subtotal: PL023 VIRGINIA Class Imaging Modernization AN/BVS-1 ISIS	4 / 23.126	2 / 6.939	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 30.065	
Subtotal: Procurement, All Modification Items	- / 23.126	- / 6.939	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 30.065	
Support (All Modification Items)													
2.1) VA CLASS ISIS TECHNICAL INSERTION NRE	- / 14.893	- / 3.867	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.760	
2.2) VA ISIS PRODUCTION SUPPORT	- / 2.437	- / 0.491	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.928	
Subtotal: Support	- / 17.330	- / 4.358	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.688	
Installation													
Modification Item 1 of 1: PL023 VIRGINIA Class Imaging Modernization AN/BVS-1 ISIS	- / 1.883	- / 0.666	- / 1.186	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.735	
Subtotal: Installation	- / 1.883	- / 0.666	- / 1.186	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.735	
Total													
Total Cost (Procurement + Support + Installation)	42.339	11.963	1.186	-	-	-	-	-	-	-	-	55.488	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8										P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip										Modification Number / Title: 5 / PL023 VIRGINIA Class Imaging Modernization AN/BVS-1 ISIS											
Modification Item 1 of 1: PL023 VIRGINIA Class Imaging Modernization AN/BVS-1 ISIS																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: LMC													Manufacturer Location: >Manassas, VA																		
Administrative Leadtime <i>(in Months)</i> : 6													Production Leadtime <i>(in Months)</i> : 12																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		May 2013																													
Delivery Dates		May 2014																													
Installation Information																															
Method of Implementation: AIT : Installation Name: VA CLASS ISIS																															
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							
		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>							
Prior Years		3 / 1.883		1 / 0.666		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 2.549					
FY 2013		- / -		- / -		2 / 1.186		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 1.186					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		3 / 1.883		1 / 0.666		2 / 1.186		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 3.735					
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	-	-	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Out	3	-	-	1	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8	P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip	Modification Number / Title: 6 / PL023 VIRGINIA Class Imaging Modernization AN/BVS-1 MAST Tech Insertion

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>	7.697	4.417	0.213	-	-	-	-	-	-	-	-	12.327
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	7.697	4.417	0.213	-	-	-	-	-	-	-	-	12.327
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	7.697	4.417	0.213	-	-	-	-	-	-	-	-	12.327
<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:

Provides obsolescence related upgrades for VA Class submarine imaging systems in support of Intelligence, Surveillance and Reconnaissance (ISR) requirements.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8				P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip					Modification Number / Title: 6 / PL023 VIRGINIA Class Imaging Moderniztion AN/BVS-1 MAST Tech Insertion				
Models of Systems Affected: VA CLASS AN/BVS-1 MTI				Modification Type: SHIPALT					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: PL023 VIRGINIA Class Imaging Modernization AN/BVS-1 MAST Tech Insertion													
B Kits													
Recurring													
1.1.1) VA CLASS MTI - NonOrganic	8 / 4.929	4 / 2.547	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 7.476	
1.1.2) VA CLASS MTI SPARES - Organic	- / -	2 / 1.274	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.274	
Subtotal: Recurring	- / 4.929	- / 3.821	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.750	
Subtotal: PL023 VIRGINIA Class Imaging Moderniztion AN/BVS-1 MAST Tech Insertion	8 / 4.929	6 / 3.821	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 8.750	
Subtotal: Procurement, All Modification Items	- / 4.929	- / 3.821	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.750	
Support (All Modification Items)													
2.1) VA CLASS MIT PRODUCTION SUPPORT	- / 2.438	- / 0.491	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.929	
Subtotal: Support	- / 2.438	- / 0.491	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.929	
Installation													
Modification Item 1 of 1: PL023 VIRGINIA Class Imaging Modernization AN/BVS-1 MAST Tech Insertion	- / 0.330	- / 0.105	- / 0.213	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.648	
Subtotal: Installation	- / 0.330	- / 0.105	- / 0.213	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.648	
Total													
Total Cost (Procurement + Support + Installation)	7.697	4.417	0.213	-	-	-	-	-	-	-	-	12.327	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8	P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip	Modification Number / Title: 6 / PL023 VIRGINIA Class Imaging Moderniztion AN/BVS-1 MAST Tech Insertion

Modification Item 1 of 1: PL023 VIRGINIA Class Imaging Moderniztion AN/BVS-1 MAST Tech Insertion

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Seacorp Manufacturer Location: >Middletown, RI

Administrative Leadtime (in Months): 6 Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: AIT : Installation Name: VA CLASS MTI

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	6 / 0.330	2 / 0.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.435
FY 2013	- / -	- / -	4 / 0.213	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.213
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	6 / 0.330	2 / 0.105	4 / 0.213	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.648

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	6	-	-	2	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	
Out	6	-	-	2	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	

Method of Implementation (Organic): Not Installed - VA CLASS MTI SPARES **Installation Quantity:** 2

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8				P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip				Modification Number / Title: 7 / PL025 Low Profile Photonics Mast (LPPM)			

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>	0.000	-	-	16.734	-	16.734	8.526	2.263	9.618	18.043	-	55.184
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	16.734	-	16.734	8.526	2.263	9.618	18.043	-	55.184
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	16.734	-	16.734	8.526	2.263	9.618	18.043	-	55.184

(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:

VA Class Low Profile Photonics Mast (LPPM) with high definition color, short wave infrared, and laser finder capabilities.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8				P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip					Modification Number / Title: 7 / PL025 Low Profile Photonics Mast (LPPM)				
Models of Systems Affected: Photonics Mast				Modification Type: SHIPALT					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: PL025 Low Profile Photonics Mast (LPPM)													
B Kits													
Recurring													
1.1.1) LPPM - NonOrganic ⁽⁶⁾	- / -	- / -	- / -	2 / 16.734	- / -	2 / 16.734	1 / 8.526	- / -	- / -	- / -	- / -	3 / 25.260	
1.1.2) LPPM SPARE - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 8.853	2 / 18.043	- / -	3 / 26.896	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 16.734	- / -	- / 16.734	- / 8.526	- / -	- / 8.853	- / 18.043	- / -	- / 52.156	
Subtotal: PL025 Low Profile Photonics Mast (LPPM)	- / -	- / -	- / -	2 / 16.734	- / -	2 / 16.734	1 / 8.526	- / -	1 / 8.853	2 / 18.043	- / -	6 / 52.156	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 16.734	- / -	- / 16.734	- / 8.526	- / -	- / 8.853	- / 18.043	- / -	- / 52.156	
Installation													
Modification Item 1 of 1: PL025 Low Profile Photonics Mast (LPPM)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.263	- / 0.765	- / -	- / -	- / 3.028	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.263	- / 0.765	- / -	- / -	- / 3.028	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	16.734	-	16.734	8.526	2.263	9.618	18.043	-	55.184	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8				P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip				Modification Number / Title: 7 / PL025 Low Profile Photonics Mast (LPPM)					
Modification Item 1 of 1: PL025 Low Profile Photonics Mast (LPPM)													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: TBD ⁽⁷⁾							Manufacturer Location: >TBD						
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 24						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates			May 2015	Mar 2016		Mar 2018	Mar 2019						
Delivery Dates			May 2017	Mar 2018		Mar 2020	Mar 2021						
Manufacturer Name: L3 KEO							Manufacturer Location: >Northhampton, MA						
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 24						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates			Jan 2015										
Delivery Dates			Jan 2017										
Installation Information													
Method of Implementation: AIT : Installation Name: LPPM													
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 / 2.263	- / -	- / -	- / -	2 / 2.263	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.765	- / -	- / -	1 / 0.765	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.263	1 / 0.765	- / -	- / -	3 / 3.028	

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Exhibit P-3a, Individual Modification: PB 2015 Navy																						Date: March 2014											
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 8											P-1 Line Item Number / Title: 0831 / Sub Periscopes & Imaging Equip											Modification Number / Title: 7 / PL025 Low Profile Photonics Mast (LPPM)											
Modification Item 1 of 1: PL025 Low Profile Photonics Mast (LPPM)																																	
Modification Item MDAP/MAIS Code:																																	
Installation Information																																	
Method of Implementation: AIT : Installation Name: LPPM																																	
Installation Schedule																																	
		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019							
	PYS	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	3	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	3	
Method of Implementation (Organic): Not Installed - LPPM SPARE																						Installation Quantity: 3											
Footnotes: ⁽⁶⁾ First FY15 procurement is for IAS variant of LPPM prototype. Additional prototype mast required for deployment flexibility with Pre TI-16 VA submarines. ⁽⁷⁾ Competitive Contract Award																																	

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment							P-1 Line Item Number / Title: 0900 / DDG Mod					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items: 0204228N					Other Related Program Elements: 0604307N, 0604567N				
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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	826.215	407.707	285.994	338.569	-	338.569	427.258	491.224	719.671	669.440	4,066.471	8,232.549
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	826.215	407.707	285.994	338.569	-	338.569	427.258	491.224	719.671	669.440	4,066.471	8,232.549
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	826.215	407.707	285.994	338.569	-	338.569	427.258	491.224	719.671	669.440	4,066.471	8,232.549
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	3.355	6.026	6.379	-	6.379	7.150	5.300	7.800	6.783	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:												
1. The DDG Modernization Program is required to upgrade the in-service Flight I, II, and IIA DDG-51 Class ships in order to keep them relevant and affordable components of the Navy's Sea Power 21 Plan. The DDG Modernization Program is composed of a series of improvements in both the HM&E and Combat Systems (CS). The modernization installations are planned for each ship at approximately the midlife point for each hull. The quantity line represents the total DDG Modernization availabilities (HM&E and Combat Systems) started in each fiscal year. HM&E: 3-2-1-3-2-5-4 Combat System: 2-1-2-1-1-2-2												
The HM&E modernization will be comprised of the technologies transitioned from SCN funded DDG 111/112 and those additional improvements required to support the expected service life of the DDG 51 Class. The upgrades will focus on Technologies that reduce workload and Total Ownership Costs (TOC) for the remaining hull life of each ship.												
The centerpiece of the CS modernization is the Aegis Weapon System (AWS) upgrade. This upgrade will consist of the introduction of displays, computing equipment and the computer program required to implement Aegis Open Architecture (AOA) and replacement of the existing SPY-1D Signal Processor (SIGPRO) with the Multi-Mission Signal Processor. Selected warfighting improvements will also be installed in conjunction with the combat systems upgrade. This modernization program will provide a core modernization of the infrastructure "foundation" of each ship including the core engineering plan, core computing plan, and Combat Information Center (CIC). This modernization program will also provide an infrastructure foundation that will function as a landing zone for future warfighting capabilities.												
[P40A / DM002 - LAND BASED ENGINEERING SITES]: Funds will be used to upgrade shore facilities for HM&E alterations providing risk reduction testing and provide for Combat System and HM&E training products.												
[P40A / DM013 - CONJUNCTIVE ALTERATION DEFINITION AND INTEGRATION]: Procures Conjunctive Alteration Definition and Integration that includes equipment procurement, non-recurring and recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships.												
[P40A / DMCA1 - DDG-51 MODERNIZATION PROGRAM CONGRESSIONAL ADD]: Description: DDG Modernization Congressional Add Procures AN/SQQ-89 A(V)15 with Multi-Function Towed Array (MFTA) and other equipment for DDG Modernization Program that consist of hardware, software, system engineering, integrated logistics support, system test & evaluation, training, data, installation assistance teams, spare and repair parts, and program management for DDG 51 Class ships.												
[P40A / DMCA3 - COMMUNICATIONS UPGRADE FOR DDG MOD CONGRESSIONAL ADD]: Description: Communications Upgrade for DDG Modernization Congressional Add												

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment		P-1 Line Item Number / Title: 0900 / DDG Mod
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items: 0204228N	Other Related Program Elements: 0604307N, 0604567N
Procures communications upgrades for DDG Modernization Program that consist of hardware, software, system engineering, integrated logistics support, system test & evaluation, training, data, installation assistance teams, spare and repair parts, and program management for DDG 51 Class ships.		
[P40A / DMCA4 - SMART VALVE AUTOMATIC FIRE SUPPRESSION SYSTEM]: Description: Congressional Add for Smart Valve system. The Smart Valve is the enabling technology behind the Automatic Fire Suppression System (AFSS), which provides the sensing capability to detect ruptures in the fire main piping system that occur during a damage event; the ability to isolate damaged sections of the piping system; and the embedded "intelligence" to reconfigure the system to maintain firefighting capability where it is most needed without any operator intervention for DDG 51 Class ships. [P40A / DSA FOR FY14 AVAILABILITY]: Interchangeable Cruiser/Destroyer combat system equipment will be installed during the FY 14 DDG combat system availability. This equipment will not require procurement funding in FY12; however, will still require Design Services Allocation (DSA) and installation funding in FY 12-14. [P40A / DM6IN - INSTALLATION]: Funds are for installation of DDG Modernization equipment in support of the Fleet Modernization Program. [P3A / DM001 - DDG MODERNIZATION HME (GEDMS)]: Gigabit Ethernet Data Multiplexing System (GEDMS) replaces the obsolete copper machinery control LAN infrastructure with a new system based on the widely used Ethernet industry standard. [P3A - 2 / DM001 - DDG MODERNIZATION HME (MCS/DCS)]: Machinery Control System (MCS) replaces the obsolete control consoles while also delivering enhanced capability to the fleet through improved situational awareness and reconfigurable user stations. The new consoles use COTS-based computers which connect via VME-chassis technology. The VME architecture is expected to be supportable for the remaining service life of the ship and will enable computer upgrades within the chassis thereby mitigating future obsolescence concerns. [P3A - 3 / DM001 - DDG MODERNIZATION HME (DVSS)]: Digital Video Surveillance System (DVSS) is a network of video cameras which are integrated into the Machinery Control system. This system is primarily a watch-stander situational awareness tool which supplements the workload reduction benefits of the new MCS. [P3A - 4 / DM001 - DDG MODERNIZATION HME (WIRELESS COMMUNICATIONS)]: Shipwide Interior Wireless Communication System (SIWCS) - provides point-to-point coverage throughout the internal spaces of the ship as well as topside, topside-to-interior, line of sight ship-to-ship & line of sight ship-to-shore communications capabilities. [P3A - 5 / DM001 - DDG MODERNIZATION HME (IBNS)]: The Integrated Bridge & Navigation System (IBNS) replaces obsolete bridge consoles and introduces flexibility with how the pilot house is managed during navigation. The key benefit is the ability for operating with fewer watch-standers, reduced watch standard workloads, and improved safety of navigation. [P3A - 6 / DM003 - MK 160 MOD 15 GWS]: Procures MK 160 Mod 15 Gun Weapon System (GWS) that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships. [P3A - 7 / DM004 - AWS UPGRADE]: Procures equipment for the AWS Upgrades that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships. [P3A - 8 / DM005 - MULTI-MISSION SIGPRO]: Procures Multi-Mission SIGPRO combat systems that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships. [P3A - 9 / DM006 - MULTI-MISSION SSA/CWI MICROWAVE TUBES]: Procures Multi-Mission Solid State Amplifier (SSA)/Continuous Wave Illumination (CWI) Microwave Tubes upgrades for DDG Modernization Program that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships. [P3A - 10 / DM007 - SPY-1D TRANSMITTER UPGRADES]: Procures SPY-1D Transmitter Upgrades combat systems that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships.		

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0900 / DDG Mod										
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items: 0204228N						Other Related Program Elements: 0604307N, 0604567N								
[P3A - 11 / DM008 - MULTI-MISSION BMD CAPABILITY]: Procures Multi-Mission Ballistic Missile Defense (BMD) Capability combat systems that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships.																				
[P3A - 12 / DM009 - VLS UPGRADES]: Procures Vertical Launch System (VLS) Modifications, Evolved Sea Sparrow Missile VLS Modifications, SM3 Operability Heating Ventilation Air Conditioning (HVAC) and VLS MODS for SM3 Block 3 combat systems that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships.																				
[P3A - 13 / DM010 - FCS STAMO]: Procures Stablized Master Oscillator (STAMO) combat systems that include equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships.																				
[P3A - 14 / DM011 - AN/SQQ-89 A(V15)]: Procures improved AN/SQQ-89(V)15 with Multi-Functional Towed Array (MFTA) combat systems to replace the installed MIL-STD AN/SQQ-89(V) that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships.																				
[P3A - 15 / DM012 - CEC]: Procures Cooperative Engagement Capability (CEC) combat systems that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships.																				

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0900 / DDG Mod										
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items: 0204228N						Other Related Program Elements: 0604307N, 0604567N								
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)
P-3a - 8 / DM005 - MULTI-MISSION SIGPRO	P-3a		-	-	54.841	-	-	52.608	-	-	20.367	-	-	23.936	-	-	-	-	-	23.936
P-3a - 9 / DM006 - MULTI-MISSION SSA/CWI MICROWAVE TUBES	P-3a		-	-	2.842	-	-	2.926	-	-	0.993	-	-	1.011	-	-	-	-	-	1.011
P-3a - 10 / DM007 - SPY-1D TRANSMITTER UPGRADES	P-3a		-	-	12.192	-	-	14.221	-	-	5.234	-	-	5.382	-	-	-	-	-	5.382
P-3a - 11 / DM008 - MULTI-MISSION BMD CAPABILITY	P-3a		-	-	5.356	-	-	4.834	-	-	1.650	-	-	1.680	-	-	-	-	-	1.680
P-3a - 12 / DM009 - VLS UPGRADES	P-3a		-	-	27.071	-	-	20.007	-	-	9.192	-	-	12.019	-	-	-	-	-	12.019
P-3a - 13 / DM010 - FCS STAMO	P-3a		-	-	8.190	-	-	3.915	-	-	1.938	-	-	0.500	-	-	-	-	-	0.500
P-3a - 14 / DM011 - AN/SQQ-89 A(V15)	P-3a		-	-	34.239	-	-	27.837	-	-	20.083	-	-	11.635	-	-	-	-	-	11.635
P-3a - 15 / DM012 - CEC	P-3a		-	-	17.881	-	-	11.122	-	-	5.980	-	-	5.001	-	-	-	-	-	5.001
Total Gross/Weapon System Cost			-	-	826.215	-	-	407.707	-	-	285.994	-	-	338.569	-	-	-	-	-	338.569
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			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)
DDG Mod	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / DM001 - DDG MODERNIZATION HME (GEDMS)	P-3a		-	-	31.296	-	-	29.158	-	-	43.506	-	-	41.347	-	-	276.825	-	-	570.325
P-3a - 2 / DM001 - DDG MODERNIZATION HME (MCS/DCS)	P-3a		-	-	64.976	-	-	64.892	-	-	89.777	-	-	86.380	-	-	595.438	-	-	1,135.837
P-3a - 3 / DM001 - DDG MODERNIZATION HME (DVSS)	P-3a		-	-	5.318	-	-	4.761	-	-	7.959	-	-	6.946	-	-	46.860	-	-	88.206
P-3a - 4 / DM001 - DDG MODERNIZATION HME (WIRELESS COMMUNICATIONS)	P-3a		-	-	3.586	-	-	3.772	-	-	5.990	-	-	6.560	-	-	39.493	-	-	70.068
P-3a - 5 / DM001 - DDG MODERNIZATION HME (IBNS)	P-3a		-	-	26.003	-	-	25.127	-	-	36.647	-	-	34.939	-	-	207.835	-	-	435.188
P-3a - 6 / DM003 - MK 160 MOD 15 GWS	P-3a		-	-	9.437	-	-	10.224	-	-	19.270	-	-	17.043	-	-	139.664	-	-	233.323
P-3a - 7 / DM004 - AWS UPGRADE	P-3a		-	-	78.529	-	-	86.037	-	-	160.118	-	-	148.746	-	-	1,363.229	-	-	2,111.729

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment												P-1 Line Item Number / Title: 0900 / DDG Mod									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items: 0204228N						Other Related Program Elements: 0604307N, 0604567N									
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 - 8 / DM005 - MULTI-MISSION SIGPRO	P-3a		-	-	38.025	-	-	39.442	-	-	75.782	-	-	61.878	-	-	503.752	-	-	870.631	
P-3a - 9 / DM006 - MULTI-MISSION SSA/CWI MICROWAVE TUBES	P-3a		-	-	2.058	-	-	2.095	-	-	4.266	-	-	3.257	-	-	24.499	-	-	43.947	
P-3a - 10 / DM007 - SPY-1D TRANSMITTER UPGRADES	P-3a		-	-	10.148	-	-	10.496	-	-	15.970	-	-	11.275	-	-	13.018	-	-	97.936	
P-3a - 11 / DM008 - MULTI-MISSION BMD CAPABILITY	P-3a		-	-	3.420	-	-	3.482	-	-	7.089	-	-	5.412	-	-	40.715	-	-	73.638	
P-3a - 12 / DM009 - VLS UPGRADES	P-3a		-	-	16.023	-	-	19.215	-	-	31.246	-	-	29.604	-	-	258.167	-	-	422.544	
P-3a - 13 / DM010 - FCS STAMO	P-3a		-	-	0.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.943	
P-3a - 14 / DM011 - AN/SQQ-89 A(V15)	P-3a		-	-	26.400	-	-	21.406	-	-	29.724	-	-	30.284	-	-	88.787	-	-	290.395	
P-3a - 15 / DM012 - CEC	P-3a		-	-	2.433	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.417	
Total Gross/Weapon System Cost			-	-	427.258	-	-	491.224	-	-	719.671	-	-	669.440	-	-	4,066.471	-	-	8,232.549	
*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.																					

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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 / 01 / 9						P-1 Line Item Number / Title: 0900 / DDG Mod						Aggregated Items Title: DDG Mod								
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) DM002 - LAND BASED ENGINEERING SITES																				
1.1) DM002 - Land Based Engineering Sites	A		-	-	153.188	-	-	8.710	-	-	6.529	-	-	7.149	-	-	-	-	-	7.149
Subtotal: 1) DM002 - LAND BASED ENGINEERING SITES			-	-	153.188	-	-	8.710	-	-	6.529	-	-	7.149	-	-	-	-	-	7.149
2) DM013 - CONJUNCTIVE ALTERATION DEFINITION AND INTEGRATION																				
2.1) DM013 - CONJUNCTIVE ALTERATION DEFINITION AND INTEGRATION	A		-	-	26.115	-	-	7.695	-	-	8.737	-	-	7.705	-	-	-	-	-	7.705
Subtotal: 2) DM013 - CONJUNCTIVE ALTERATION DEFINITION AND INTEGRATION			-	-	26.115	-	-	7.695	-	-	8.737	-	-	7.705	-	-	-	-	-	7.705
3) DMCA1 - DDG-51 MODERNIZATION PROGRAM CONGRESSIONAL ADD																				
3.1) DMCA1 - DDG-51 MODERNIZATION	A		-	-	5.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) SQQ-89A (V) W/ MFTA	A		-	-	25.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) DMCA1 - DDG-51 MODERNIZATION PROGRAM CONGRESSIONAL ADD			-	-	30.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) DMCA3 - COMMUNICATIONS UPGRADE FOR DDG MOD CONGRESSIONAL ADD																				
4.1) DMCA3 - COMMUNICATIONS UPGRADE	A		-	-	3.120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) DMCA3 - COMMUNICATIONS UPGRADE FOR DDG MOD CONGRESSIONAL ADD			-	-	3.120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) DMCA4 - SMART VALVE AUTOMATIC FIRE SUPPRESSION SYSTEM																				
5.1) SMART VALVE EQUIPMENT	A		-	-	2.480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) DMCA4 - SMART VALVE AUTOMATIC FIRE SUPPRESSION SYSTEM			-	-	2.480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) DSA FOR FY14 AVAILABILITY																				

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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 / 01 / 9								P-1 Line Item Number / Title: 0900 / DDG Mod								Aggregated Items Title: DDG Mod			

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)
6.1) DSA FOR FY14 AVAILABILITY	A		-	-	-	-	-	12.289	-	-	26.778	-	-	-	-	-	-	-	-	-
<i>Subtotal: 6) DSA FOR FY14 AVAILABILITY</i>			-	-	0.000	-	-	12.289	-	-	26.778	-	-	-	-	-	-	-	-	-
7) DM6IN - INSTALLATION																				
7.1) AIT & CONJUNCTIVE ALTS INSTALLATION	A		-	-	68.040	-	-	69.562	-	-	52.590	-	-	114.127	-	-	-	-	-	114.127
<i>Subtotal: 7) DM6IN - INSTALLATION</i>			-	-	68.040	-	-	69.562	-	-	52.590	-	-	114.127	-	-	-	-	-	114.127
Total			-	-	282.943	-	-	98.256	-	-	94.634	-	-	128.981	-	-	-	-	-	128.981

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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 / 01 / 9							P-1 Line Item Number / Title: 0900 / DDG Mod								Aggregated Items Title: DDG Mod					
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) DM002 - LAND BASED ENGINEERING SITES																				
1.1) DM002 - Land Based Engineering Sites	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) DM002 - LAND BASED ENGINEERING SITES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) DM013 - CONJUNCTIVE ALTERATION DEFINITION AND INTEGRATION																				
2.1) DM013 - CONJUNCTIVE ALTERATION DEFINITION AND INTEGRATION	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) DM013 - CONJUNCTIVE ALTERATION DEFINITION AND INTEGRATION			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) DMCA1 - DDG-51 MODERNIZATION PROGRAM CONGRESSIONAL ADD																				
3.1) DMCA1 - DDG-51 MODERNIZATION	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) SQQ-89A (V) W/ MFTA	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) DMCA1 - DDG-51 MODERNIZATION PROGRAM CONGRESSIONAL ADD			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) DMCA3 - COMMUNICATIONS UPGRADE FOR DDG MOD CONGRESSIONAL ADD																				
4.1) DMCA3 - COMMUNICATIONS UPGRADE	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) DMCA3 - COMMUNICATIONS UPGRADE FOR DDG MOD CONGRESSIONAL ADD			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) DMCA4 - SMART VALVE AUTOMATIC FIRE SUPPRESSION SYSTEM																				
5.1) SMART VALVE EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) DMCA4 - SMART VALVE AUTOMATIC FIRE SUPPRESSION SYSTEM			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) DSA FOR FY14 AVAILABILITY																				

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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 / 01 / 9					P-1 Line Item Number / Title: 0900 / DDG Mod										Aggregated Items Title: DDG Mod					
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)
6.1) DSA FOR FY14 AVAILABILITY	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) DSA FOR FY14 AVAILABILITY			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) DM6IN - INSTALLATION																				
7.1) AIT & CONJUNCTIVE ALTS INSTALLATION	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7) DM6IN - INSTALLATION			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 1 / DM001 - DDG MODERNIZATION HME (GEDMS)

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>)	89.606	19.428	22.237	16.922	-	16.922	31.296	29.158	43.506	41.347	276.825	570.325
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	89.606	19.428	22.237	16.922	-	16.922	31.296	29.158	43.506	41.347	276.825	570.325
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	89.606	19.428	22.237	16.922	-	16.922	31.296	29.158	43.506	41.347	276.825	570.325
(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:

Gigabit Ethernet Data Multiplexing System (GEDMS) replaces the obsolete copper machinery control LAN infrastructure with a new system based on the widely used Ethernet industry standard.

Engineering Services:

Production Support Services are phased over a three (3) year span starting two (2) years prior to installation on a per hull basis. It includes five (5) elements that are related to the production and delivery of a usable end-item: Production Engineering, Quality Assurance, Product Improvement, Acceptance Test and Evaluation, and Contractor Engineering and Technical Services (CETS). Due to the phasing of the requirement over a three year period, engineering services will fluctuate depending on the number of ships in each year.

Five (5) elements and approximate breakdown is as follows:

Production Engineering includes preparation, test and technical evaluation of engineering changes to correct deficiencies in the production items; production configuration control; review and evaluation of production design data and documentation; and logistic supportability efforts.

Quality Assurance includes the preparation of procedures and the conduct of inspections, examinations and test during production that are necessary to deliver an item of the required quality as specified by the terms of the contract.

Product Improvement includes improving reliability/maintainability/availability, and the correction of deficiencies exclusive of contractual specifications.

Acceptance Test and Evaluation of a production item includes preparation of test plans, testing, data analysis, and data evaluation.

Contractor Engineering and Technical Services (CETS) includes the furnishing of advice, instruction, and training by commercial or industrial companies.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 1 / DM001 - DDG MODERNIZATION HME (GEDMS)

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9			P-1 Line Item Number / Title: 0900 / DDG Mod					Modification Number / Title: 1 / DM001 - DDG MODERNIZATION HME (GEDMS)				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0604567N					
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: DM001 - DDG MODERNIZATION HME (GEDMS)												
B Kits												
Recurring												
1.1.1) GEDMS Equipment - NonOrganic ⁽¹⁾	12 / 54.590	1 / 2.583	3 / 7.887	1 / 2.676	- / -	1 / 2.676	3 / 8.174	2 / 5.547	2 / 5.647	2 / 5.749	2 / 5.852	28 / 98.705
1.1.2) GEDMS EQUIPMENT FLIGHT IIA - NonOrganic ⁽²⁾	- / -	- / -	- / -	1 / 1.285	- / -	1 / 1.285	2 / 2.616	2 / 2.663	4 / 5.421	3 / 4.139	21 / 31.136	33 / 47.260
Subtotal: Recurring	- / 54.590	- / 2.583	- / 7.887	- / 3.961	- / -	- / 3.961	- / 10.790	- / 8.210	- / 11.068	- / 9.888	- / 36.988	- / 145.965
Subtotal: DM001 - DDG MODERNIZATION HME (GEDMS)	12 / 54.590	1 / 2.583	3 / 7.887	2 / 3.961	- / -	2 / 3.961	5 / 10.790	4 / 8.210	6 / 11.068	5 / 9.888	23 / 36.988	61 / 145.965
Subtotal: Procurement, All Modification Items	- / 54.590	- / 2.583	- / 7.887	- / 3.961	- / -	- / 3.961	- / 10.790	- / 8.210	- / 11.068	- / 9.888	- / 36.988	- / 145.965
Support (All Modification Items)												
2.1) GEDMS Engineering Services	- / 7.216	- / 5.741	- / 5.628	- / 4.469	- / -	- / 4.469	- / 4.623	- / 4.814	- / 4.950	- / 5.039	- / 49.636	- / 92.116
Subtotal: Support	- / 7.216	- / 5.741	- / 5.628	- / 4.469	- / -	- / 4.469	- / 4.623	- / 4.814	- / 4.950	- / 5.039	- / 49.636	- / 92.116
Installation												
Modification Item 1 of 1: DM001 - DDG MODERNIZATION HME (GEDMS)	- / 27.800	- / 11.104	- / 8.722	- / 8.492	- / -	- / 8.492	- / 15.883	- / 16.134	- / 27.488	- / 26.420	- / 190.201	- / 332.244
Subtotal: Installation	- / 27.800	- / 11.104	- / 8.722	- / 8.492	- / -	- / 8.492	- / 15.883	- / 16.134	- / 27.488	- / 26.420	- / 190.201	- / 332.244
Total												
Total Cost (Procurement + Support + Installation)	89.606	19.428	22.237	16.922	-	16.922	31.296	29.158	43.506	41.347	276.825	570.325

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0900 / DDG Mod										Modification Number / Title: 1 / DM001 - DDG MODERNIZATION HME (GEDMS)												
Modification Item 1 of 1: DM001 - DDG MODERNIZATION HME (GEDMS)																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: Boeing													Manufacturer Location: >Anaheim, CA																			
Administrative Leadtime (in Months): 6													Production Leadtime (in Months): 16																			
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates		Aug 2013				Aug 2014				Aug 2015				May 2016				Aug 2017				May 2018				May 2019						
Delivery Dates		Mar 2015				Dec 2015				Dec 2016				Sep 2017				Dec 2018				Sep 2019				Sep 2020						
Installation Information																																
Method of Implementation: SHIPYARD : Installation Name: GEDMS Equipment																																
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		7 / 27.800		3 / 10.900		2 / 6.900		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		12 / 45.600						
FY 2013		- / -		- / 0.204		- / 1.122		1 / 4.067		- / -		1 / 4.067		- / -		- / -		- / -		- / -		- / -		- / -		1 / 5.393						
FY 2014		- / -		- / -		- / 0.700		- / 3.920		- / -		- / 3.920		3 / 11.677		- / -		- / -		- / -		- / -		- / -		3 / 16.297						
FY 2015		- / -		- / -		- / -		- / 0.267		- / -		- / 0.267		- / 1.495		1 / 4.218		- / -		- / -		- / -		- / -		1 / 5.980						
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.762		- / 3.987		3 / 12.155		- / -		- / -		- / -		3 / 16.904						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.519		- / 2.894		2 / 8.187		- / -		- / -		2 / 11.600						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.542		- / 3.036		2 / 8.524		2 / 12.102		2 / 12.102						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.552		2 / 11.755		2 / 12.307		2 / 12.307						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 12.529		2 / 12.529		2 / 12.529						
Total		7 / 27.800		3 / 11.104		2 / 8.722		1 / 8.254		- / -		1 / 8.254		3 / 13.934		1 / 8.724		3 / 15.591		2 / 11.775		6 / 32.808		28 / 138.712		28 / 138.712						
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	7	-	1	2	-	-	1	1	-	-	-	-	1	-	-	1	1	1	-	-	1	-	1	-	2	-	-	2	-	-	6	28
Out	5	-	1	-	1	2	1	-	1	1	-	-	-	1	-	1	1	-	2	-	-	-	1	-	1	-	2	-	-	2	6	28

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 1 / DM001 - DDG MODERNIZATION HME (GEDMS)

Modification Item 1 of 1: DM001 - DDG MODERNIZATION HME (GEDMS)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: GEDMS EQUIPMENT FLIGHT IIA

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	- / -	- / -	- / -	- / 0.238	- / -	- / 0.238	- / 1.438	1 / 4.063	- / -	- / -	- / -	1 / 5.739
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.511	- / 2.841	2 / 8.059	- / -	- / -	2 / 11.411
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.506	- / 2.794	2 / 8.036	- / -	2 / 11.336
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.044	- / 5.826	4 / 15.979	4 / 22.849
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.783	3 / 16.716	3 / 17.499
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 124.698	21 / 124.698
Total	- / -	- / -	- / -	- / 0.238	- / -	- / 0.238	- / 1.949	1 / 7.410	2 / 11.897	2 / 14.645	28 / 157.393	33 / 193.532

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	-	-	2	-	28	33	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	1	30	33	

Footnotes:

(1) Engineering Services line includes both Flight I/II and Flight IIA ships.

(2) Due to ship specific differences, the unit cost for a Flight IIA ship is less than that for a Flight I/II ship. Engineering Services line includes both Flight I/II and Flight IIA ships. Installation costs across the FYDP may vary depending on current port rates. DDG 111 & 112 received GEDMS during new construction.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 2 / DM001 - DDG MODERNIZATION HME (MCS/DCS)

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>)	116.206	38.166	41.302	38.700	-	38.700	64.976	64.892	89.777	86.380	595.438	1,135.837
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	116.206	38.166	41.302	38.700	-	38.700	64.976	64.892	89.777	86.380	595.438	1,135.837
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	116.206	38.166	41.302	38.700	-	38.700	64.976	64.892	89.777	86.380	595.438	1,135.837

(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:

Machinery Control System (MCS) replaces the obsolete control consoles while also delivering enhanced capability to the fleet through improved situational awareness and reconfigurable user stations. The new consoles use COTS-based computers which connect via VME-chassis technology. The VME architecture is expected to be supportable for the remaining service life of the ship and will enable computer upgrades within the chassis thereby mitigating future obsolescence concerns.

Engineering Services:

Production Support Services are phased over a three (3) year span starting two (2) years prior to installation on a per hull basis. It includes five (5) elements that are related to the production and delivery of a usable end-item: Production Engineering, Quality Assurance, Product Improvement, Acceptance Test and Evaluation, and Contractor Engineering and Technical Services (CETS). Due to the phasing of the requirement over a three year period, engineering services will fluctuate depending on the number of ships in each year.

Five (5) elements and approximate breakdown is as follows:

Production Engineering includes preparation, test and technical evaluation of engineering changes to correct deficiencies in the production items; production configuration control; review and evaluation of production design data and documentation; and logistic supportability efforts.

Quality Assurance includes the preparation of procedures and the conduct of inspections, examinations and test during production that are necessary to deliver an item of the required quality as specified by the terms of the contract.

Product Improvement includes improving reliability/maintainability/availability, and the correction of deficiencies exclusive of contractual specifications.

Acceptance Test and Evaluation of a production item includes preparation of test plans, testing, data analysis, and data evaluation.

Contractor Engineering and Technical Services (CETS) includes the furnishing of advice, instruction, and training by commercial or industrial companies.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 2 / DM001 - DDG MODERNIZATION HME (MCS/DCS)

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0900 / DDG Mod				Modification Number / Title: 2 / DM001 - DDG MODERNIZATION HME (MCS/DCS)					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0604567N					
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: DM001 - DDG MODERNIZATION HME (MCS/DCS)													
B Kits													
Recurring													
1.1.1) MCS/DCS EQUIPMENT - NonOrganic ⁽³⁾	12 / 43.262	1 / 4.056	3 / 12.386	2 / 8.406	- / -	2 / 8.406	5 / 21.393	4 / 17.422	6 / 26.604	5 / 22.569	23 / 111.055	61 / 267.153	
Subtotal: Recurring	- / 43.262	- / 4.056	- / 12.386	- / 8.406	- / -	- / 8.406	- / 21.393	- / 17.422	- / 26.604	- / 22.569	- / 111.055	- / 267.153	
Non-Recurring													
1.2.1) MCS/DCS 1ST ARTICLE & NRE - Organic	- / 8.643	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.643	
Subtotal: Non-Recurring	- / 8.643	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.643	
Subtotal: DM001 - DDG MODERNIZATION HME (MCS/DCS)	12 / 51.905	1 / 4.056	3 / 12.386	2 / 8.406	- / -	2 / 8.406	5 / 21.393	4 / 17.422	6 / 26.604	5 / 22.569	23 / 111.055	61 / 275.796	
Subtotal: Procurement, All Modification Items	- / 51.905	- / 4.056	- / 12.386	- / 8.406	- / -	- / 8.406	- / 21.393	- / 17.422	- / 26.604	- / 22.569	- / 111.055	- / 275.796	
Support (All Modification Items)													
2.1) MCS/DCS ENGINEERING SERVICES	- / 8.801	- / 13.467	- / 14.825	- / 15.200	- / -	- / 15.200	- / 15.836	- / 16.169	- / 14.472	- / 14.733	- / 145.118	- / 258.621	
Subtotal: Support	- / 8.801	- / 13.467	- / 14.825	- / 15.200	- / -	- / 15.200	- / 15.836	- / 16.169	- / 14.472	- / 14.733	- / 145.118	- / 258.621	
Installation													
Modification Item 1 of 1: DM001 - DDG MODERNIZATION HME (MCS/DCS)	- / 55.500	- / 20.643	- / 14.091	- / 15.094	- / -	- / 15.094	- / 27.747	- / 31.301	- / 48.701	- / 49.078	- / 339.265	- / 601.420	
Subtotal: Installation	- / 55.500	- / 20.643	- / 14.091	- / 15.094	- / -	- / 15.094	- / 27.747	- / 31.301	- / 48.701	- / 49.078	- / 339.265	- / 601.420	
Total													
Total Cost (Procurement + Support + Installation)	116.206	38.166	41.302	38.700	-	38.700	64.976	64.892	89.777	86.380	595.438	1,135.837	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 2 / DM001 - DDG MODERNIZATION HME (MCS/DCS)

Modification Item 1 of 1: DM001 - DDG MODERNIZATION HME (MCS/DCS)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: >Orlando, FL
Administrative Leadtime (<i>in Months</i>): 6	Production Leadtime (<i>in Months</i>): 16

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

Installation Information

Method of Implementation: [none specified] : Installation Name: MCS/DCS EQUIPMENT

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	7 / 55.500	3 / 20.300	2 / 10.469	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 86.269
FY 2013	- / -	- / 0.343	- / 2.247	1 / 5.476	- / -	1 / 5.476	- / -	- / -	- / -	- / -	- / -	1 / 8.066
FY 2014	- / -	- / -	- / 1.375	- / 8.627	- / -	- / 8.627	3 / 18.754	- / -	- / -	- / -	- / -	3 / 28.756
FY 2015	- / -	- / -	- / -	- / 0.991	- / -	- / 0.991	- / 6.456	2 / 13.427	- / -	- / -	- / -	2 / 20.874
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.537	- / 15.866	5 / 33.031	- / -	- / -	5 / 51.434
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.008	- / 12.558	4 / 26.952	- / -	4 / 41.518
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.112	- / 19.506	6 / 39.651	6 / 62.269
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.620	5 / 50.564	5 / 53.184
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 249.050	23 / 249.050
Total	7 / 55.500	3 / 20.643	2 / 14.091	1 / 15.094	- / -	1 / 15.094	3 / 27.747	2 / 31.301	5 / 48.701	4 / 49.078	34 / 339.265	61 / 601.420

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	7	-	1	2	-	-	1	1	-	-	-	1	-	-	1	1	1	-	1	1	-	1	-	3	1	-	2	2	-	34	61
Out	5	-	1	-	1	2	1	-	1	1	-	-	-	1	-	1	-	2	-	-	-	1	1	1	-	2	-	1	3	36	61

Footnotes:

⁽³⁾ Installation costs across the FYDP may vary depending on current port rates.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0900 / DDG Mod				Modification Number / Title: 3 / DM001 - DDG MODERNIZATION HME (DVSS)			

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>)	9.102	1.913	2.970	2.377	-	2.377	5.318	4.761	7.959	6.946	46.860	88.206
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	9.102	1.913	2.970	2.377	-	2.377	5.318	4.761	7.959	6.946	46.860	88.206
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	9.102	1.913	2.970	2.377	-	2.377	5.318	4.761	7.959	6.946	46.860	88.206
(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:

Digital Video Surveillance System (DVSS) is a network of video cameras which are integrated into the Machinery Control system. This system is primarily a watch-stander situational awareness tool which supplements the workload reduction benefits of the new MCS.

Engineering Services:

Production Support Services are phased over a three (3) year span starting two (2) years prior to installation on a per hull basis. It includes five (5) elements that are related to the production and delivery of a usable end-item: Production Engineering, Quality Assurance, Product Improvement, Acceptance Test and Evaluation, and Contractor Engineering and Technical Services (CETS). Due to the phasing of the requirement over a three year period, engineering services will fluctuate depending on the number of ships in each year.

Five (5) elements and approximate breakdown is as follows:

Production Engineering includes preparation, test and technical evaluation of engineering changes to correct deficiencies in the production items; production configuration control; review and evaluation of production design data and documentation; and logistic supportability efforts.

Quality Assurance includes the preparation of procedures and the conduct of inspections, examinations and test during production that are necessary to deliver an item of the required quality as specified by the terms of the contract.

Product Improvement includes improving reliability/maintainability/availability, and the correction of deficiencies exclusive of contractual specifications.

Acceptance Test and Evaluation of a production item includes preparation of test plans, testing, data analysis, and data evaluation.

Contractor Engineering and Technical Services (CETS) includes the furnishing of advice, instruction, and training by commercial or industrial companies.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 3 / DM001 - DDG MODERNIZATION HME (DVSS)

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0900 / DDG Mod				Modification Number / Title: 3 / DM001 - DDG MODERNIZATION HME (DVSS)					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0604567N					
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: DM001 - DDG MODERNIZATION HME (DVSS)													
B Kits													
Recurring													
1.1.1) DVSS Equipment - NonOrganic ⁽⁴⁾	12 / 3.025	1 / 0.477	3 / 1.456	2 / 0.988	- / -	2 / 0.988	5 / 2.515	4 / 2.048	6 / 3.127	5 / 2.653	23 / 13.055	61 / 29.344	
Subtotal: Recurring	- / 3.025	- / 0.477	- / 1.456	- / 0.988	- / -	- / 0.988	- / 2.515	- / 2.048	- / 3.127	- / 2.653	- / 13.055	- / 29.344	
Non-Recurring													
1.2.1) DVSS 1st Article & NRE - Organic	- / 0.477	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.477	
Subtotal: Non-Recurring	- / 0.477	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.477	
Subtotal: DM001 - DDG MODERNIZATION HME (DVSS)	12 / 3.502	1 / 0.477	3 / 1.456	2 / 0.988	- / -	2 / 0.988	5 / 2.515	4 / 2.048	6 / 3.127	5 / 2.653	23 / 13.055	61 / 29.821	
Subtotal: Procurement, All Modification Items	- / 3.502	- / 0.477	- / 1.456	- / 0.988	- / -	- / 0.988	- / 2.515	- / 2.048	- / 3.127	- / 2.653	- / 13.055	- / 29.821	
Support (All Modification Items)													
2.1) Engineering Services	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Installation													
Modification Item 1 of 1: DM001 - DDG MODERNIZATION HME (DVSS)	- / 5.600	- / 1.436	- / 1.514	- / 1.389	- / -	- / 1.389	- / 2.803	- / 2.713	- / 4.832	- / 4.293	- / 33.805	- / 58.385	
Subtotal: Installation	- / 5.600	- / 1.436	- / 1.514	- / 1.389	- / -	- / 1.389	- / 2.803	- / 2.713	- / 4.832	- / 4.293	- / 33.805	- / 58.385	
Total													
Total Cost (Procurement + Support + Installation)	9.102	1.913	2.970	2.377	-	2.377	5.318	4.761	7.959	6.946	46.860	88.206	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0900 / DDG Mod										Modification Number / Title: 3 / DM001 - DDG MODERNIZATION HME (DVSS)											
Modification Item 1 of 1: DM001 - DDG MODERNIZATION HME (DVSS)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: NSWC SSES															Manufacturer Location: >Philadelphia, PA																
Administrative Leadtime (<i>in Months</i>): 6															Production Leadtime (<i>in Months</i>): 16																
Dates		FY 2013			FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019											
Contract Dates		Aug 2013			Aug 2014			Aug 2015			May 2016			Aug 2017			May 2018			May 2019											
Delivery Dates		Mar 2015			Dec 2015			Dec 2016			Sep 2017			Dec 2018			Sep 2019			Sep 2020											
Installation Information																															
Method of Implementation: [none specified] : Installation Name: DVSS Equipment																															
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																		
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																	
Prior Years		7 / 5.600	3 / 1.400	2 / 1.236	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 8.236																		
FY 2013		- / -	- / 0.036	- / 0.155	1 / 0.757	- / -	1 / 0.757	- / -	- / -	- / -	- / -	- / -	1 / 0.948																		
FY 2014		- / -	- / -	- / 0.123	- / 0.543	- / -	- / 0.543	3 / 2.170	- / -	- / -	- / -	- / -	3 / 2.836																		
FY 2015		- / -	- / -	- / -	- / 0.089	- / -	- / 0.089	- / 0.406	2 / 1.543	- / -	- / -	- / -	2 / 2.038																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / 0.227	- / 1.000	5 / 3.801	- / -	- / -	5 / 5.028																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.170	- / 0.751	4 / 2.831	- / -	4 / 3.752																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.280	- / 1.226	6 / 4.564	6 / 6.070																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.236	5 / 4.951	5 / 5.187																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 24.290	23 / 24.290																		
Total		7 / 5.600	3 / 1.436	2 / 1.514	1 / 1.389	- / -	1 / 1.389	3 / 2.803	2 / 2.713	5 / 4.832	4 / 4.293	34 / 33.805	61 / 58.385																		
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	7	-	1	2	-	-	1	1	-	-	-	1	-	-	1	1	1	-	1	1	-	1	-	3	1	-	2	2	-	34	61
Out	5	-	1	-	1	2	1	-	1	1	-	-	-	1	-	1	-	2	-	-	-	1	1	1	-	2	-	1	3	36	61
Footnotes:																															
⁽⁴⁾ Installation costs across the FYDP may vary depending on current port rates.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 4 / DM001 - DDG MODERNIZATION HME (WIRELESS COMMUNICATIONS)

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>)	6.402	1.100	1.738	1.427	-	1.427	3.586	3.772	5.990	6.560	39.493	70.068
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	6.402	1.100	1.738	1.427	-	1.427	3.586	3.772	5.990	6.560	39.493	70.068
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	6.402	1.100	1.738	1.427	-	1.427	3.586	3.772	5.990	6.560	39.493	70.068

(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:

Shipwide Interior Wireless Communication System (SIWCS) - provides point-to-point coverage throughout the internal spaces of the ship as well as topside, topside-to-interior, line of sight ship-to-ship & line of sight ship-to-shore communications capabilities.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0900 / DDG Mod				Modification Number / Title: 4 / DM001 - DDG MODERNIZATION HME (WIRELESS COMMUNICATIONS)					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0604567N					
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: DM001 - DDG MODERNIZATION HME (WIRELESS COMMUNICATIONS)													
B Kits													
Recurring													
1.1.1) Wireless Communications Equipment - NonOrganic ⁽⁵⁾	9 / 3.202	- / -	3 / 1.233	1 / 0.418	- / -	1 / 0.418	4 / 1.703	4 / 1.734	6 / 2.648	5 / 2.246	23 / 11.053	55 / 24.237	
Subtotal: Recurring	- / 3.202	- / -	- / 1.233	- / 0.418	- / -	- / 0.418	- / 1.703	- / 1.734	- / 2.648	- / 2.246	- / 11.053	- / 24.237	
Subtotal: DM001 - DDG MODERNIZATION HME (WIRELESS COMMUNICATIONS)	9 / 3.202	- / -	3 / 1.233	1 / 0.418	- / -	1 / 0.418	4 / 1.703	4 / 1.734	6 / 2.648	5 / 2.246	23 / 11.053	55 / 24.237	
Subtotal: Procurement, All Modification Items	- / 3.202	- / -	- / 1.233	- / 0.418	- / -	- / 0.418	- / 1.703	- / 1.734	- / 2.648	- / 2.246	- / 11.053	- / 24.237	
Installation													
Modification Item 1 of 1: DM001 - DDG MODERNIZATION HME (WIRELESS COMMUNICATIONS)	- / 3.200	- / 1.100	- / 0.505	- / 1.009	- / -	- / 1.009	- / 1.883	- / 2.038	- / 3.342	- / 4.314	- / 28.440	- / 45.831	
Subtotal: Installation	- / 3.200	- / 1.100	- / 0.505	- / 1.009	- / -	- / 1.009	- / 1.883	- / 2.038	- / 3.342	- / 4.314	- / 28.440	- / 45.831	
Total													
Total Cost (Procurement + Support + Installation)	6.402	1.100	1.738	1.427	-	1.427	3.586	3.772	5.990	6.560	39.493	70.068	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 4 / DM001 - DDG MODERNIZATION HME (WIRELESS COMMUNICATIONS)

Modification Item 1 of 1: DM001 - DDG MODERNIZATION HME (WIRELESS COMMUNICATIONS)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Spawar Systems Center Atlantic	Manufacturer Location: >Charleston, SC
Administrative Leadtime (<i>in Months</i>): 6	Production Leadtime (<i>in Months</i>): 16

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

Installation Information

Method of Implementation: [none specified] : Installation Name: Wireless Communications Equipment

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	5 / 3.200	3 / 1.100	1 / 0.386	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 4.686
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / 0.119	- / 0.969	- / -	- / 0.969	3 / 1.353	- / -	- / -	- / -	- / -	3 / 2.441
FY 2015	- / -	- / -	- / -	- / 0.040	- / -	- / 0.040	- / 0.356	1 / 0.474	- / -	- / -	- / -	1 / 0.870
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.174	- / 1.404	4 / 1.878	- / -	- / -	4 / 3.456
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.160	- / 1.192	4 / 1.894	- / -	4 / 3.246
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.272	- / 2.191	6 / 2.863	6 / 5.326
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.229	5 / 4.312	5 / 4.541
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / 21.265	23 / 21.265
Total	5 / 3.200	3 / 1.100	1 / 0.505	- / 1.009	- / -	- / 1.009	3 / 1.883	1 / 2.038	4 / 3.342	4 / 4.314	34 / 28.440	55 / 45.831

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	5	-	1	2	-	-	1	-	-	-	-	-	-	-	1	1	1	-	1	-	-	1	-	2	1	-	2	2	-	34	55
Out	3	-	1	-	1	2	1	-	1	-	-	-	-	-	-	1	-	2	-	-	-	-	1	1	-	1	-	1	3	36	55

Footnotes:

⁽⁵⁾ Quantities of SWICS equipment may vary based on current ship configuration and prior year installs. Installation costs across the FYDP may vary depending on current port rates.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 5 / DM001 - DDG MODERNIZATION HME (IBNS)

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>)	65.106	11.966	15.277	12.288	-	12.288	26.003	25.127	36.647	34.939	207.835	435.188
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	65.106	11.966	15.277	12.288	-	12.288	26.003	25.127	36.647	34.939	207.835	435.188
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	65.106	11.966	15.277	12.288	-	12.288	26.003	25.127	36.647	34.939	207.835	435.188
(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:

The Integrated Bridge & Navigation System (IBNS) replaces obsolete bridge consoles and introduces flexibility with how the pilot house is managed during navigation. The key benefit is the ability for operating with fewer watchstanders, reduced watch standard workloads, and improved safety of navigation.

Engineering Services:

Production Support Services are phased over a three (3) year span starting two (2) years prior to installation on a per hull basis. It includes five (5) elements that are related to the production and delivery of a usable end-item: Production Engineering, Quality Assurance, Product Improvement, Acceptance Test and Evaluation, and Contractor Engineering and Technical Services (CETS). Due to the phasing of the requirement over a three year period, engineering services will fluctuate depending on the number of ships in each year.

Five (5) elements and approximate breakdown is as follows:

Production Engineering includes preparation, test and technical evaluation of engineering changes to correct deficiencies in the production items; production configuration control; review and evaluation of production design data and documentation; and logistic supportability efforts.

Quality Assurance includes the preparation of procedures and the conduct of inspections, examinations and test during production that are necessary to deliver an item of the required quality as specified by the terms of the contract.

Product Improvement includes improving reliability/maintainability/availability, and the correction of deficiencies exclusive of contractual specifications.

Acceptance Test and Evaluation of a production item includes preparation of test plans, testing, data analysis, and data evaluation.

Contractor Engineering and Technical Services (CETS) includes the furnishing of advice, instruction, and training by commercial or industrial companies.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 5 / DM001 - DDG MODERNIZATION HME (IBNS)

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0900 / DDG Mod				Modification Number / Title: 5 / DM001 - DDG MODERNIZATION HME (IBNS)					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0604567N					
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: DM001 - DDG MODERNIZATION HME (IBNS)													
B Kits													
Recurring													
1.1.1) IBNS Equipment - NonOrganic ⁽⁶⁾	12 / 36.783	1 / 3.050	3 / 9.316	2 / 6.323	- / -	2 / 6.323	5 / 16.091	4 / 13.104	6 / 20.010	5 / 16.976	23 / 83.532	61 / 205.185	
Subtotal: Recurring	- / 36.783	- / 3.050	- / 9.316	- / 6.323	- / -	- / 6.323	- / 16.091	- / 13.104	- / 20.010	- / 16.976	- / 83.532	- / 205.185	
Non-Recurring													
1.2.1) IBNS 1st Article & NRE - Organic	- / 4.186	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.186	
Subtotal: Non-Recurring	- / 4.186	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.186	
Subtotal: DM001 - DDG MODERNIZATION HME (IBNS)	12 / 40.969	1 / 3.050	3 / 9.316	2 / 6.323	- / -	2 / 6.323	5 / 16.091	4 / 13.104	6 / 20.010	5 / 16.976	23 / 83.532	61 / 209.371	
Subtotal: Procurement, All Modification Items	- / 40.969	- / 3.050	- / 9.316	- / 6.323	- / -	- / 6.323	- / 16.091	- / 13.104	- / 20.010	- / 16.976	- / 83.532	- / 209.371	
Support (All Modification Items)													
2.1) IBNS Engineering Services	- / 2.237	- / 0.889	- / 1.431	- / 0.703	- / -	- / 0.703	- / 1.104	- / 1.845	- / 1.384	- / 1.382	- / 8.856	- / 19.831	
Subtotal: Support	- / 2.237	- / 0.889	- / 1.431	- / 0.703	- / -	- / 0.703	- / 1.104	- / 1.845	- / 1.384	- / 1.382	- / 8.856	- / 19.831	
Installation													
Modification Item 1 of 1: DM001 - DDG MODERNIZATION HME (IBNS)	- / 21.900	- / 8.027	- / 4.530	- / 5.262	- / -	- / 5.262	- / 8.808	- / 10.178	- / 15.253	- / 16.581	- / 115.447	- / 205.986	
Subtotal: Installation	- / 21.900	- / 8.027	- / 4.530	- / 5.262	- / -	- / 5.262	- / 8.808	- / 10.178	- / 15.253	- / 16.581	- / 115.447	- / 205.986	
Total													
Total Cost (Procurement + Support + Installation)	65.106	11.966	15.277	12.288	-	12.288	26.003	25.127	36.647	34.939	207.835	435.188	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																							
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0900 / DDG Mod										Modification Number / Title: 5 / DM001 - DDG MODERNIZATION HME (IBNS)													
Modification Item 1 of 1: DM001 - DDG MODERNIZATION HME (IBNS)																																	
Modification Item MDAP/MAIS Code:																																	
Manufacturer Information																																	
Manufacturer Name: Northrop Grumman Sperry															Manufacturer Location: >Charlottesville, VA																		
Administrative Leadtime (<i>in Months</i>): 6															Production Leadtime (<i>in Months</i>): 16																		
Dates		FY 2013			FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019													
Contract Dates		Aug 2013			Aug 2014			Aug 2015			May 2016			Aug 2017			May 2018			May 2019													
Delivery Dates		Mar 2015			Dec 2015			Dec 2016			Sep 2017			Dec 2018			Sep 2019			Sep 2020													
Installation Information																																	
Method of Implementation: [none specified] : Installation Name: IBNS Equipment																																	
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										
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>										
Prior Years		7 / 21.900		3 / 7.900		2 / 3.263		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		12 / 33.063									
FY 2013		- / -		- / 0.127		- / 0.831		1 / 2.043		- / -		1 / 2.043		- / -		- / -		- / -		- / -		- / -		1 / 3.001									
FY 2014		- / -		- / -		- / 0.436		- / 2.905		- / -		- / 2.905		3 / 5.830		- / -		- / -		- / -		- / -		3 / 9.171									
FY 2015		- / -		- / -		- / -		- / 0.314		- / -		- / 0.314		- / 2.174		2 / 4.170		- / -		- / -		- / -		2 / 6.658									
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.804		- / 5.345		5 / 10.259		- / -		- / -		5 / 16.408									
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.663		- / 4.007		4 / 9.179		- / -		4 / 13.849									
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.987		- / 6.569		6 / 19.871		6 / 27.427									
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.833		5 / 16.132		5 / 16.965									
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		23 / 79.444		23 / 79.444									
Total		7 / 21.900		3 / 8.027		2 / 4.530		1 / 5.262		- / -		1 / 5.262		3 / 8.808		2 / 10.178		5 / 15.253		4 / 16.581		34 / 115.447		61 / 205.986									
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	7	-	1	2	-	-	1	1	-	-	-	-	1	-	-	1	1	1	-	1	-	1	-	1	-	3	1	-	2	2	-	34	61
Out	5	-	1	-	1	2	1	-	1	1	-	-	-	1	-	1	-	-	2	-	-	-	-	1	1	1	-	2	-	1	3	36	61
Footnotes:																																	
⁽⁶⁾ Installation costs across the FYDP may vary depending on current port rates.																																	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 6 / DM003 - MK 160 MOD 15 GWS

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>)	14.613	10.577	5.696	6.799	-	6.799	9.437	10.224	19.270	17.043	139.664	233.323
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	14.613	10.577	5.696	6.799	-	6.799	9.437	10.224	19.270	17.043	139.664	233.323
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	14.613	10.577	5.696	6.799	-	6.799	9.437	10.224	19.270	17.043	139.664	233.323
<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:

Procures MK 160 Mod 15 Gun Weapon System (GWS) that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships.

Engineering Services:

Production Support Services are phased over a three (3) year span starting two (2) years prior to installation on a per hull basis. It includes five (5) elements that are related to the production and delivery of a usable end-item: Production Engineering, Quality Assurance, Product Improvement, Acceptance Test and Evaluation, and Contractor Engineering and Technical Services (CETS). Due to the phasing of the requirement over a three year period, engineering services will fluctuate depending on the number of ships in each year.

Five (5) elements and approximate breakdown is as follows:

Production Engineering includes preparation, test and technical evaluation of engineering changes to correct deficiencies in the production items; production configuration control; review and evaluation of production design data and documentation; and logistic supportability efforts.

Quality Assurance includes the preparation of procedures and the conduct of inspections, examinations and test during production that are necessary to deliver an item of the required quality as specified by the terms of the contract.

Product Improvement includes improving reliability/maintainability/availability, and the correction of deficiencies exclusive of contractual specifications.

Acceptance Test and Evaluation of a production item includes preparation of test plans, testing, data analysis, and data evaluation.

Contractor Engineering and Technical Services (CETS) includes the furnishing of advice, instruction, and training by commercial or industrial companies.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0900 / DDG Mod				Modification Number / Title: 6 / DM003 - MK 160 MOD 15 GWS					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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: DM003 - MK 160 MOD 15 GWS													
B Kits													
Recurring													
1.1.1) MK 160 MOD 15 GWS EQUIPMENT - NonOrganic ⁽⁷⁾	3 / 8.395	2 / 6.199	1 / 3.155	1 / 3.212	- / -	1 / 3.212	2 / 6.540	2 / 6.658	4 / 13.555	3 / 10.350	21 / 77.855	39 / 135.919	
Subtotal: Recurring	- / 8.395	- / 6.199	- / 3.155	- / 3.212	- / -	- / 3.212	- / 6.540	- / 6.658	- / 13.555	- / 10.350	- / 77.855	- / 135.919	
Subtotal: DM003 - MK 160 MOD 15 GWS	3 / 8.395	2 / 6.199	1 / 3.155	1 / 3.212	- / -	1 / 3.212	2 / 6.540	2 / 6.658	4 / 13.555	3 / 10.350	21 / 77.855	39 / 135.919	
Subtotal: Procurement, All Modification Items	- / 8.395	- / 6.199	- / 3.155	- / 3.212	- / -	- / 3.212	- / 6.540	- / 6.658	- / 13.555	- / 10.350	- / 77.855	- / 135.919	
Support (All Modification Items)													
2.1) ENGINEERING SERVICES	- / 5.218	- / 2.185	- / 1.985	- / 1.754	- / -	- / 1.754	- / 1.673	- / 2.046	- / 3.249	- / 3.663	- / 29.450	- / 51.223	
Subtotal: Support	- / 5.218	- / 2.185	- / 1.985	- / 1.754	- / -	- / 1.754	- / 1.673	- / 2.046	- / 3.249	- / 3.663	- / 29.450	- / 51.223	
Installation													
Modification Item 1 of 1: DM003 - MK 160 MOD 15 GWS	- / 1.000	- / 2.193	- / 0.556	- / 1.833	- / -	- / 1.833	- / 1.224	- / 1.520	- / 2.466	- / 3.030	- / 32.359	- / 46.181	
Subtotal: Installation	- / 1.000	- / 2.193	- / 0.556	- / 1.833	- / -	- / 1.833	- / 1.224	- / 1.520	- / 2.466	- / 3.030	- / 32.359	- / 46.181	
Total													
Total Cost (Procurement + Support + Installation)	14.613	10.577	5.696	6.799	-	6.799	9.437	10.224	19.270	17.043	139.664	233.323	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 6 / DM003 - MK 160 MOD 15 GWS

Modification Item 1 of 1: DM003 - MK 160 MOD 15 GWS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: VARIOUS	Manufacturer Location: >VARIOUS
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 18

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Sep 2013	Jun 2014	Jun 2015	Sep 2016	Sep 2017	Apr 2018	Mar 2019
Delivery Dates	Apr 2015	Dec 2015	Dec 2016	Mar 2018	Mar 2019	Oct 2019	Sep 2020

Installation Information

Method of Implementation: [none specified] : Installation Name: MK 160 MOD 15 GWS EQUIPMENT

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 / 1.000	2 / 2.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 3.100
FY 2013	- / -	- / 0.093	- / 0.509	2 / 1.520	- / -	2 / 1.520	- / -	- / -	- / -	- / -	- / -	2 / 2.122
FY 2014	- / -	- / -	- / 0.047	- / 0.263	- / -	- / 0.263	1 / 0.826	- / -	- / -	- / -	- / -	1 / 1.136
FY 2015	- / -	- / -	- / -	- / 0.050	- / -	- / 0.050	- / 0.290	1 / 0.838	- / -	- / -	- / -	1 / 1.178
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.108	- / 0.573	2 / 1.662	- / -	- / -	2 / 2.343
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.109	- / 0.583	2 / 1.690	- / -	2 / 2.382
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.221	- / 1.175	4 / 3.295	4 / 4.691
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.165	3 / 3.432	3 / 3.597
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 25.632	21 / 25.632
Total	1 / 1.000	2 / 2.193	- / 0.556	2 / 1.833	- / -	2 / 1.833	1 / 1.224	1 / 1.520	2 / 2.466	2 / 3.030	28 / 32.359	39 / 46.181

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	-	-	-	2	-	-	-	-	-	-	2	-	-	1	-	-	-	1	-	-	-	-	1	1	-	-	2	-	28	39
Out	-	-	-	-	1	-	-	-	2	-	-	-	-	-	1	1	-	-	1	-	-	-	1	-	-	-	-	1	1	30	39

Footnotes:

⁽⁷⁾ Interchangeable Cruiser/Destroyer combat system equipment will be installed during the FY 14 DDG combat system availability. This equipment will not require procurement funding in FY12; however, will still require Design Services Allocation (DSA) and installation funding in FY 12-14. Installation costs across the FYDP may vary depending on current port rates.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 7 / DM004 - AWS UPGRADE

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>)	79.625	88.831	36.703	69.911	-	69.911	78.529	86.037	160.118	148.746	1,363.229	2,111.729
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	79.625	88.831	36.703	69.911	-	69.911	78.529	86.037	160.118	148.746	1,363.229	2,111.729
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	79.625	88.831	36.703	69.911	-	69.911	78.529	86.037	160.118	148.746	1,363.229	2,111.729
(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:

Procures equipment for the Aegis Weapon System (AWS) Upgrades that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships.

Engineering Services:

Production Support Services are phased over a three (3) year span starting two (2) years prior to installation on a per hull basis. It includes five (5) elements that are related to the production and delivery of a usable end-item: Production Engineering, Quality Assurance, Product Improvement, Acceptance Test and Evaluation, and Contractor Engineering and Technical Services (CETS). Due to the phasing of the requirement over a three year period, engineering services will fluctuate depending on the number of ships in each year.

Five (5) elements and approximate breakdown is as follows:

Production Engineering includes preparation, test and technical evaluation of engineering changes to correct deficiencies in the production items; production configuration control; review and evaluation of production design data and documentation; and logistic supportability efforts.

Quality Assurance includes the preparation of procedures and the conduct of inspections, examinations and test during production that are necessary to deliver an item of the required quality as specified by the terms of the contract.

Product Improvement includes improving reliability/maintainability/availability, and the correction of deficiencies exclusive of contractual specifications.

Acceptance Test and Evaluation of a production item includes preparation of test plans, testing, data analysis, and data evaluation.

Contractor Engineering and Technical Services (CETS) includes the furnishing of advice, instruction, and training by commercial or industrial companies.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0900 / DDG Mod				Modification Number / Title: 7 / DM004 - AWS UPGRADE				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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: DM004 - AWS UPGRADE												
B Kits												
Recurring												
1.1.1) AWS EQUIPMENT - NonOrganic ⁽⁸⁾	3 / 60.786	2 / 44.695	1 / 22.750	1 / 23.159	- / -	1 / 23.159	2 / 47.152	2 / 48.001	4 / 97.729	3 / 74.616	21 / 561.305	39 / 980.193
Subtotal: Recurring	- / 60.786	- / 44.695	- / 22.750	- / 23.159	- / -	- / 23.159	- / 47.152	- / 48.001	- / 97.729	- / 74.616	- / 561.305	- / 980.193
Subtotal: DM004 - AWS UPGRADE	3 / 60.786	2 / 44.695	1 / 22.750	1 / 23.159	- / -	1 / 23.159	2 / 47.152	2 / 48.001	4 / 97.729	3 / 74.616	21 / 561.305	39 / 980.193
Subtotal: Procurement, All Modification Items	- / 60.786	- / 44.695	- / 22.750	- / 23.159	- / -	- / 23.159	- / 47.152	- / 48.001	- / 97.729	- / 74.616	- / 561.305	- / 980.193
Support (All Modification Items)												
2.1) ENGINEERING SERVICES	- / 3.039	- / 3.404	- / 2.856	- / 3.065	- / -	- / 3.065	- / 3.050	- / 3.812	- / 5.349	- / 5.980	- / 48.115	- / 78.670
Subtotal: Support	- / 3.039	- / 3.404	- / 2.856	- / 3.065	- / -	- / 3.065	- / 3.050	- / 3.812	- / 5.349	- / 5.980	- / 48.115	- / 78.670
Installation												
Modification Item 1 of 1: DM004 - AWS UPGRADE	- / 15.800	- / 40.732	- / 11.097	- / 43.687	- / -	- / 43.687	- / 28.327	- / 34.224	- / 57.040	- / 68.150	- / 753.809	- / 1,052.866
Subtotal: Installation	- / 15.800	- / 40.732	- / 11.097	- / 43.687	- / -	- / 43.687	- / 28.327	- / 34.224	- / 57.040	- / 68.150	- / 753.809	- / 1,052.866
Total												
Total Cost (Procurement + Support + Installation)	79.625	88.831	36.703	69.911	-	69.911	78.529	86.037	160.118	148.746	1,363.229	2,111.729

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																							
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0900 / DDG Mod										Modification Number / Title: 7 / DM004 - AWS UPGRADE													
Modification Item 1 of 1: DM004 - AWS UPGRADE																																	
Modification Item MDAP/MAIS Code:																																	
Manufacturer Information																																	
Manufacturer Name: LOCKHEED MARTIN															Manufacturer Location: >MOORESTOWN, NJ																		
Administrative Leadtime (in Months): 6															Production Leadtime (in Months): 20																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019							
Contract Dates		Jul 2013				Apr 2014				Apr 2015				Jul 2016				Jul 2017				Feb 2018				Jan 2019							
Delivery Dates		Apr 2015				Dec 2015				Dec 2016				Mar 2018				Mar 2019				Oct 2019				Sep 2020							
Installation Information																																	
Method of Implementation: [none specified] : Installation Name: AWS EQUIPMENT																																	
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 / 15.800		2 / 38.700		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		3 / 54.500							
FY 2013		- / -		- / 2.032		- / 10.068		2 / 37.364		- / -		2 / 37.364		- / -		- / -		- / -		- / -		- / -		- / -		2 / 49.464							
FY 2014		- / -		- / -		- / 1.029		- / 5.210		- / -		- / 5.210		1 / 20.207		- / -		- / -		- / -		- / -		- / -		1 / 26.446							
FY 2015		- / -		- / -		- / -		- / 1.113		- / -		- / 1.113		- / 5.733		1 / 20.480		- / -		- / -		- / -		- / -		1 / 27.326							
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / 2.387		- / 11.324		2 / 40.626		- / -		- / -		- / -		2 / 54.337							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 2.420		- / 11.540		2 / 41.263		- / -		- / -		2 / 55.223							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 4.874		- / 23.227		4 / 80.566		- / -		4 / 108.667							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 3.660		3 / 79.641		- / -		3 / 83.301							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		21 / 593.602		- / -		21 / 593.602							
Total		1 / 15.800		2 / 40.732		- / 11.097		2 / 43.687		- / -		2 / 43.687		1 / 28.327		1 / 34.224		2 / 57.040		2 / 68.150		28 / 753.809		- / -		39 / 1,052.866							
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	-	-	-	2	-	-	-	-	-	-	-	2	-	-	1	-	-	-	1	-	-	-	-	-	1	1	-	-	2	-	28	39
Out	-	-	-	-	1	-	-	-	2	-	-	-	-	-	1	1	-	-	-	1	-	-	-	1	-	-	-	-	-	1	1	30	39
Footnotes:																																	
(8) Installation/DSA decreases due to correction of manday rate in Navy Data Environment (NDE). Interchangeable Cruiser/Destroyer combat system equipment will be installed during the FY 14 DDG combat system availability. This equipment will not require procurement funding in FY12; however, will still require Design Services Allocation (DSA) and installation funding in FY 12-14. Installation costs across the FYDP may vary depending on current port rates.																																	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 8 / DM005 - MULTI-MISSION SIGPRO

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>	54.841	52.608	20.367	23.936	-	23.936	38.025	39.442	75.782	61.878	503.752	870.631
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	54.841	52.608	20.367	23.936	-	23.936	38.025	39.442	75.782	61.878	503.752	870.631
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	54.841	52.608	20.367	23.936	-	23.936	38.025	39.442	75.782	61.878	503.752	870.631
<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:

Procures Multi-Mission SIGPRO combat systems that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships.

Engineering Services:

Production Support Services are phased over a three (3) year span starting two (2) years prior to installation on a per hull basis. It includes five (5) elements that are related to the production and delivery of a usable end-item: Production Engineering, Quality Assurance, Product Improvement, Acceptance Test and Evaluation, and Contractor Engineering and Technical Services (CETS). Due to the phasing of the requirement over a three year period, engineering services will fluctuate depending on the number of ships in each year.

Five (5) elements and approximate breakdown is as follows:

Production Engineering includes preparation, test and technical evaluation of engineering changes to correct deficiencies in the production items; production configuration control; review and evaluation of production design data and documentation; and logistic supportability efforts.

Quality Assurance includes the preparation of procedures and the conduct of inspections, examinations and test during production that are necessary to deliver an item of the required quality as specified by the terms of the contract.

Product Improvement includes improving reliability/maintainability/availability, and the correction of deficiencies exclusive of contractual specifications.

Acceptance Test and Evaluation of a production item includes preparation of test plans, testing, data analysis, and data evaluation.

Contractor Engineering and Technical Services (CETS) includes the furnishing of advice, instruction, and training by commercial or industrial companies.

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0900 / DDG Mod				Modification Number / Title: 8 / DM005 - MULTI-MISSION SIGPRO																							
Modification Item 1 of 1: DM005 - MULTI-MISSION SIGPRO																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: LOCKHEED MARTIN							Manufacturer Location: >MOORESTOWN, NJ																								
Administrative Leadtime <i>(in Months)</i> : 6							Production Leadtime <i>(in Months)</i> : 18																								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																								
Contract Dates	Sep 2013	Jun 2014	Jun 2015	Sep 2016	Sep 2017	Apr 2018	Mar 2019																								
Delivery Dates	Apr 2015	Dec 2015	Dec 2016	Mar 2018	Mar 2019	Oct 2019	Sep 2020																								
Installation Information																															
Method of Implementation: [none specified] : Installation Name: MULTI-MISSION SIGPRO EQUIPMENT																															
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																			
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																		
Prior Years	0 / 4.700	2 / 5.400	1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 10.100																			
FY 2013	0 / 0.100	- / 0.276	1 / 1.355	2 / 4.888	- / -	2 / 4.888	- / -	- / -	- / -	- / -	- / -	3 / 6.619																			
FY 2014	- / -	- / -	- / 0.140	- / 0.701	- / -	- / 0.701	1 / 2.653	- / -	- / -	- / -	- / -	1 / 3.494																			
FY 2015	- / -	- / -	- / -	- / 0.152	- / -	- / 0.152	- / 0.772	1 / 2.690	- / -	- / -	- / -	1 / 3.614																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.325	- / 1.524	2 / 5.334	- / -	- / -	2 / 7.183																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.330	- / 1.553	2 / 5.422	- / -	2 / 7.305																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.664	- / 3.126	4 / 10.576	4 / 14.366																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.498	3 / 10.521	3 / 11.019																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 78.521	21 / 78.521																			
Total	0 / 4.800	2 / 5.676	2 / 1.495	2 / 5.741	- / -	2 / 5.741	1 / 3.750	1 / 4.544	2 / 7.551	2 / 9.046	28 / 99.618	40 / 142.221																			
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	-	-	2	-	-	1	-	-	-	1	-	-	-	-	1	1	-	-	2	-	28	40
Out	-	-	-	-	-	-	-	-	2	-	-	-	2	-	1	1	-	-	1	-	-	-	1	-	-	-	-	1	1	30	40
Footnotes:																															
⁽⁹⁾ Installation costs across the FYDP may vary depending on current port rates.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 9 / DM006 - MULTI-MISSION SSA/CWI MICROWAVE TUBES

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>	2.842	2.926	0.993	1.011	-	1.011	2.058	2.095	4.266	3.257	24.499	43.947
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	2.842	2.926	0.993	1.011	-	1.011	2.058	2.095	4.266	3.257	24.499	43.947
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	2.842	2.926	0.993	1.011	-	1.011	2.058	2.095	4.266	3.257	24.499	43.947

(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:

Procures Multi-Mission Solid State Amplifier (SSA)/Continuous Wave Illumination (CWI) Microwave Tubes upgrades for DDG Modernization Program that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0900 / DDG Mod						Modification Number / Title: 9 / DM006 - MULTI-MISSION SSA/CWI MICROWAVE TUBES			
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> DM006 - MULTI-MISSION SSA/CWI MICROWAVE TUBES													
B Kits													
Recurring													
1.1.1) MULTI-MISSION SSA/CWI MICROWAVE TUBES EQUIPMENT - Organic	3 / 2.842	3 / 2.926	1 / 0.993	1 / 1.011	- / -	1 / 1.011	2 / 2.058	2 / 2.095	4 / 4.266	3 / 3.257	21 / 24.499	40 / 43.947	
<i>Subtotal: Recurring</i>	- / 2.842	- / 2.926	- / 0.993	- / 1.011	- / -	- / 1.011	- / 2.058	- / 2.095	- / 4.266	- / 3.257	- / 24.499	- / 43.947	
<i>Subtotal: DM006 - MULTI-MISSION SSA/CWI MICROWAVE TUBES</i>	3 / 2.842	3 / 2.926	1 / 0.993	1 / 1.011	- / -	1 / 1.011	2 / 2.058	2 / 2.095	4 / 4.266	3 / 3.257	21 / 24.499	40 / 43.947	
<i>Subtotal: Procurement, All Modification Items</i>	- / 2.842	- / 2.926	- / 0.993	- / 1.011	- / -	- / 1.011	- / 2.058	- / 2.095	- / 4.266	- / 3.257	- / 24.499	- / 43.947	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	2.842	2.926	0.993	1.011	-	1.011	2.058	2.095	4.266	3.257	24.499	43.947	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9			P-1 Line Item Number / Title: 0900 / DDG Mod			Modification Number / Title: 9 / DM006 - MULTI-MISSION SSA/CWI MICROWAVE TUBES	
Modification Item 1 of 1: DM006 - MULTI-MISSION SSA/CWI MICROWAVE TUBES							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: VARIOUS				Manufacturer Location: >VARIOUS			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 18			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Sep 2013	Jun 2014	Jun 2015	Sep 2016	Sep 2017	Apr 2018	Mar 2019
Delivery Dates	Apr 2015	Dec 2015	Dec 2016	Mar 2018	Mar 2019	Oct 2019	Sep 2020
Installation Information							
Method of Implementation (Organic): Not Installed - MULTI-MISSION SSA/CWI MICROWAVE TUBES EQUIPMENT					Installation Quantity: 40		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 10 / DM007 - SPY-1D TRANSMITTER UPGRADES

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>)	12.192	14.221	5.234	5.382	-	5.382	10.148	10.496	15.970	11.275	13.018	97.936
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	12.192	14.221	5.234	5.382	-	5.382	10.148	10.496	15.970	11.275	13.018	97.936
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	12.192	14.221	5.234	5.382	-	5.382	10.148	10.496	15.970	11.275	13.018	97.936
<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:

Procures SPY-1D Transmitter Upgrades combat systems that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships.

Engineering Services:

Production Support Services are phased over a three (3) year span starting two (2) years prior to installation on a per hull basis. It includes five (5) elements that are related to the production and delivery of a usable end-item: Production Engineering, Quality Assurance, Product Improvement, Acceptance Test and Evaluation, and Contractor Engineering and Technical Services (CETS). Due to the phasing of the requirement over a three year period, engineering services will fluctuate depending on the number of ships in each year.

Five (5) elements and approximate breakdown is as follows:

Production Engineering includes preparation, test and technical evaluation of engineering changes to correct deficiencies in the production items; production configuration control; review and evaluation of production design data and documentation; and logistic supportability efforts.

Quality Assurance includes the preparation of procedures and the conduct of inspections, examinations and test during production that are necessary to deliver an item of the required quality as specified by the terms of the contract.

Product Improvement includes improving reliability/maintainability/availability, and the correction of deficiencies exclusive of contractual specifications.

Acceptance Test and Evaluation of a production item includes preparation of test plans, testing, data analysis, and data evaluation.

Contractor Engineering and Technical Services (CETS) includes the furnishing of advice, instruction, and training by commercial or industrial companies.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 10 / DM007 - SPY-1D TRANSMITTER UPGRADES

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LI 0900 - DDG Mod
Navy

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9			P-1 Line Item Number / Title: 0900 / DDG Mod			Modification Number / Title: 10 / DM007 - SPY-1D TRANSMITTER UPGRADES	
Modification Item 1 of 1: DM007 - SPY-1D TRANSMITTER UPGRADES							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Raytheon				Manufacturer Location: >Marlborough, MA			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 18			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Sep 2013	Jun 2014	Jun 2015	Sep 2016	Sep 2017	Apr 2018	Mar 2019
Delivery Dates	Apr 2015	Dec 2015	Dec 2016	Mar 2018	Mar 2019	Oct 2019	Sep 2020
Installation Information							
Method of Implementation (Organic): Not Installed - SPY-1D TRANSMITTER UPGRADES EQUIPMENT					Installation Quantity: 19		
Footnotes: ⁽¹⁰⁾ SPY-1D Transmitter Upgrades aren't required for DDG 91 and follow.							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 11 / DM008 - MULTI-MISSION BMD CAPABILITY

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>)	5.356	4.834	1.650	1.680	-	1.680	3.420	3.482	7.089	5.412	40.715	73.638
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	5.356	4.834	1.650	1.680	-	1.680	3.420	3.482	7.089	5.412	40.715	73.638
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5.356	4.834	1.650	1.680	-	1.680	3.420	3.482	7.089	5.412	40.715	73.638
(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:

Procures Multi-Mission Ballistic Missile Defense (BMD) Capability combat systems that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0900 / DDG Mod						Modification Number / Title: 11 / DM008 - MULTI-MISSION BMD CAPABILITY			
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> DM008 - MULTI-MISSION BMD CAPABILITY													
B Kits													
Recurring													
1.1.1) MULTI-MISSION BMD EQUIPMENT - Organic	3 / 5.356	3 / 4.834	1 / 1.650	1 / 1.680	- / -	1 / 1.680	2 / 3.420	2 / 3.482	4 / 7.089	3 / 5.412	21 / 40.715	40 / 73.638	
<i>Subtotal: Recurring</i>	- / 5.356	- / 4.834	- / 1.650	- / 1.680	- / -	- / 1.680	- / 3.420	- / 3.482	- / 7.089	- / 5.412	- / 40.715	- / 73.638	
<i>Subtotal: DM008 - MULTI-MISSION BMD CAPABILITY</i>	3 / 5.356	3 / 4.834	1 / 1.650	1 / 1.680	- / -	1 / 1.680	2 / 3.420	2 / 3.482	4 / 7.089	3 / 5.412	21 / 40.715	40 / 73.638	
<i>Subtotal: Procurement, All Modification Items</i>	- / 5.356	- / 4.834	- / 1.650	- / 1.680	- / -	- / 1.680	- / 3.420	- / 3.482	- / 7.089	- / 5.412	- / 40.715	- / 73.638	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	5.356	4.834	1.650	1.680	-	1.680	3.420	3.482	7.089	5.412	40.715	73.638	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9			P-1 Line Item Number / Title: 0900 / DDG Mod			Modification Number / Title: 11 / DM008 - MULTI-MISSION BMD CAPABILITY	
Modification Item 1 of 1: DM008 - MULTI-MISSION BMD CAPABILITY							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: LOCKHEED MARTIN				Manufacturer Location: >MOORESTOWN, NJ			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 18			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Sep 2013	Jun 2014	Jun 2015	Sep 2016	Sep 2017	Apr 2018	Mar 2019
Delivery Dates	Apr 2015	Dec 2015	Dec 2016	Mar 2018	Mar 2019	Oct 2019	Sep 2020
Installation Information							
Method of Implementation (Organic): Not Installed - MULTI-MISSION BMD EQUIPMENT					Installation Quantity: 40		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 12 / DM009 - VLS UPGRADES

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>	27.071	20.007	9.192	12.019	-	12.019	16.023	19.215	31.246	29.604	258.167	422.544
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	27.071	20.007	9.192	12.019	-	12.019	16.023	19.215	31.246	29.604	258.167	422.544
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	27.071	20.007	9.192	12.019	-	12.019	16.023	19.215	31.246	29.604	258.167	422.544
<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:

Procures Vertical Launch System (VLS) Modifications, Evolved Sea Sparrow Missile VLS Modifications, SM3 Operability Heating Ventilation Air Conditioning (HVAC) and VLS MODS for SM3 Block 3 combat systems that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships.

Engineering Services:

Production Support Services are phased over a three (3) year span starting two (2) years prior to installation on a per hull basis. It includes five (5) elements that are related to the production and delivery of a usable end-item: Production Engineering, Quality Assurance, Product Improvement, Acceptance Test and Evaluation, and Contractor Engineering and Technical Services (CETS). Due to the phasing of the requirement over a three year period, engineering services will fluctuate depending on the number of ships in each year.

Five (5) elements and approximate breakdown is as follows:

Production Engineering includes preparation, test and technical evaluation of engineering changes to correct deficiencies in the production items; production configuration control; review and evaluation of production design data and documentation; and logistic supportability efforts.

Quality Assurance includes the preparation of procedures and the conduct of inspections, examinations and test during production that are necessary to deliver an item of the required quality as specified by the terms of the contract.

Product Improvement includes improving reliability/maintainability/availability, and the correction of deficiencies exclusive of contractual specifications.

Acceptance Test and Evaluation of a production item includes preparation of test plans, testing, data analysis, and data evaluation.

Contractor Engineering and Technical Services (CETS) includes the furnishing of advice, instruction, and training by commercial or industrial companies.

[VLS EQUIPMENT] Engineering services increase in FY 18 due to increased number of Combat System availabilities in FY 20.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 12 / DM009 - VLS UPGRADES

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0900 / DDG Mod						Modification Number / Title: 12 / DM009 - VLS UPGRADES			
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> DM009 - VLS UPGRADES													
B Kits													
Recurring													
1.1.1) VLS EQUIPMENT - NonOrganic ⁽¹¹⁾	3 / 23.676	2 / 9.750	1 / 4.963	1 / 5.052	- / -	1 / 5.052	2 / 10.286	2 / 10.471	4 / 21.319	3 / 16.277	21 / 122.444	39 / 224.238	
<i>Subtotal: Recurring</i>	- / 23.676	- / 9.750	- / 4.963	- / 5.052	- / -	- / 5.052	- / 10.286	- / 10.471	- / 21.319	- / 16.277	- / 122.444	- / 224.238	
<i>Subtotal: DM009 - VLS UPGRADES</i>	3 / 23.676	2 / 9.750	1 / 4.963	1 / 5.052	- / -	1 / 5.052	2 / 10.286	2 / 10.471	4 / 21.319	3 / 16.277	21 / 122.444	39 / 224.238	
<i>Subtotal: Procurement, All Modification Items</i>	- / 23.676	- / 9.750	- / 4.963	- / 5.052	- / -	- / 5.052	- / 10.286	- / 10.471	- / 21.319	- / 16.277	- / 122.444	- / 224.238	
Support (All Modification Items)													
2.1) ENGINEERING SERVICES	- / 1.695	- / 6.613	- / 3.428	- / 4.153	- / -	- / 4.153	- / 3.866	- / 5.656	- / 6.158	- / 8.756	- / 86.244	- / 126.569	
<i>Subtotal: Support</i>	- / 1.695	- / 6.613	- / 3.428	- / 4.153	- / -	- / 4.153	- / 3.866	- / 5.656	- / 6.158	- / 8.756	- / 86.244	- / 126.569	
Installation													
<i>Modification Item 1 of 1:</i> DM009 - VLS UPGRADES	- / 1.700	- / 3.644	- / 0.801	- / 2.814	- / -	- / 2.814	- / 1.871	- / 3.088	- / 3.769	- / 4.571	- / 49.479	- / 71.737	
<i>Subtotal: Installation</i>	- / 1.700	- / 3.644	- / 0.801	- / 2.814	- / -	- / 2.814	- / 1.871	- / 3.088	- / 3.769	- / 4.571	- / 49.479	- / 71.737	
Total													
Total Cost (Procurement + Support + Installation)	27.071	20.007	9.192	12.019	-	12.019	16.023	19.215	31.246	29.604	258.167	422.544	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 12 / DM009 - VLS UPGRADES

Modification Item 1 of 1: DM009 - VLS UPGRADES

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: LOCKHEED MARTIN	Manufacturer Location: >MOORESTOWN, NJ
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 18

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Sep 2013	Jun 2014	Jun 2015	Sep 2016	Sep 2017	Apr 2018	Mar 2019
Delivery Dates	Apr 2015	Dec 2015	Dec 2016	Mar 2018	Mar 2019	Oct 2019	Sep 2020

Installation Information

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

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 / 1.700	2 / 3.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.200
FY 2013	- / -	- / 0.144	- / 0.728	2 / 2.358	- / -	2 / 2.358	- / -	- / -	- / -	- / -	- / -	2 / 3.230
FY 2014	- / -	- / -	- / 0.073	- / 0.376	- / -	- / 0.376	1 / 1.287	- / -	- / -	- / -	- / -	1 / 1.736
FY 2015	- / -	- / -	- / -	- / 0.080	- / -	- / 0.080	- / 0.414	1 / 1.306	- / -	- / -	- / -	1 / 1.800
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.170	- / 0.818	2 / 2.589	- / -	- / -	2 / 3.577
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.964	- / 0.833	2 / 2.633	- / -	2 / 4.430
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.347	- / 1.677	4 / 5.128	4 / 7.152
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.261	3 / 5.229	3 / 5.490
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 39.122	21 / 39.122
Total	1 / 1.700	2 / 3.644	- / 0.801	2 / 2.814	- / -	2 / 2.814	1 / 1.871	1 / 3.088	2 / 3.769	2 / 4.571	28 / 49.479	39 / 71.737

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	-	-	-	2	-	-	-	-	-	-	2	-	-	1	-	-	-	1	-	-	-	-	1	1	-	-	2	-	28	39
Out	-	-	-	-	1	-	-	-	2	-	-	-	-	-	1	1	-	-	1	-	-	-	1	-	-	-	-	1	1	30	39

Footnotes:

(11) As a result of the Department's decision to decommission seven (15) Cruisers, procurements made in FY 10-11 of common equipment for these Cruisers will be installed on four (3) Cruisers and one (1) Destroyer (FY 14). Installation costs across the FYDP may vary depending on current port rates.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 13 / DM010 - FCS STAMO

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>	8.190	3.915	1.938	0.500	-	0.500	0.400	-	-	-	-	14.943
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	8.190	3.915	1.938	0.500	-	0.500	0.400	-	-	-	-	14.943
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	8.190	3.915	1.938	0.500	-	0.500	0.400	-	-	-	-	14.943
<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:

Procures Stabilized Master Oscillator (STAMO) combat systems that include equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0900 / DDG Mod				Modification Number / Title: 13 / DM010 - FCS STAMO				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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: DM010 - FCS STAMO												
B Kits												
Recurring												
1.1.1) FCS STAMO EQUIPMENT - NonOrganic ⁽¹²⁾	3 / 7.590	2 / 3.415	1 / 1.738	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 12.743
Subtotal: Recurring	- / 7.590	- / 3.415	- / 1.738	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.743
Subtotal: DM010 - FCS STAMO	3 / 7.590	2 / 3.415	1 / 1.738	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 12.743
Subtotal: Procurement, All Modification Items	- / 7.590	- / 3.415	- / 1.738	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.743
Installation												
Modification Item 1 of 1: DM010 - FCS STAMO	- / 0.600	- / 0.500	- / 0.200	- / 0.500	- / -	- / 0.500	- / 0.400	- / -	- / -	- / -	- / -	- / 2.200
Subtotal: Installation	- / 0.600	- / 0.500	- / 0.200	- / 0.500	- / -	- / 0.500	- / 0.400	- / -	- / -	- / -	- / -	- / 2.200
Total												
Total Cost (Procurement + Support + Installation)	8.190	3.915	1.938	0.500	-	0.500	0.400	-	-	-	-	14.943

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 13 / DM010 - FCS STAMO

Modification Item 1 of 1: DM010 - FCS STAMO

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Raytheon	Manufacturer Location: >Marlborough, MA
Administrative Leadtime (<i>in Months</i>): 6	Production Leadtime (<i>in Months</i>): 18

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

Installation Information

Method of Implementation: [none specified] : Installation Name: FCS STAMO EQUIPMENT

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 / 0.600	2 / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.000
FY 2013	- / -	- / 0.100	- / 0.100	2 / 0.400	- / -	2 / 0.400	- / -	- / -	- / -	- / -	- / -	2 / 0.600
FY 2014	- / -	- / -	- / 0.100	- / 0.100	- / -	- / 0.100	1 / 0.400	- / -	- / -	- / -	- / -	1 / 0.600
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.600	2 / 0.500	- / 0.200	2 / 0.500	- / -	2 / 0.500	1 / 0.400	- / -	- / -	- / -	- / -	6 / 2.200

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	-	-	-	2	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Out	-	-	-	-	1	-	-	-	2	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	6

Footnotes:

(12) STAMO has previously been installed on all DDG Flight IIAs. Interchangeable Cruiser/Destroyer combat system equipment will be installed during the FY 14 DDG combat system availability. This equipment will not require procurement funding in FY12; however, will still require Design Services Allocation (DSA) and installation funding in FY 12-14. Installation costs across the FYDP may vary depending on current port rates. DDG 79 and follow previously received STAMO.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 14 / DM011 - AN/SQQ-89 A(V15)

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>)	34.239	27.837	20.083	11.635	-	11.635	26.400	21.406	29.724	30.284	88.787	290.395
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	34.239	27.837	20.083	11.635	-	11.635	26.400	21.406	29.724	30.284	88.787	290.395
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	34.239	27.837	20.083	11.635	-	11.635	26.400	21.406	29.724	30.284	88.787	290.395
<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:

Procures improved AN/SQQ-89 A(V)15 with Multi-Functional Towed Array (MFTA) combat systems to replace the installed MIL-STD AN/SQQ-89(V) that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships. Flight IIA DDGs have previously received an SQQ-89(A)V15 installation.

Engineering Services:

Production Support Services are phased over a three (3) year span starting two (2) years prior to installation on a per hull basis. It includes five (5) elements that are related to the production and delivery of a usable end-item: Production Engineering, Quality Assurance, Product Improvement, Acceptance Test and Evaluation, and Contractor Engineering and Technical Services (CETS). Due to the phasing of the requirement over a three year period, engineering services will fluctuate depending on the number of ships in each year.

Five (5) elements and approximate breakdown is as follows:

Production Engineering includes preparation, test and technical evaluation of engineering changes to correct deficiencies in the production items; production configuration control; review and evaluation of production design data and documentation; and logistic supportability efforts.

Quality Assurance includes the preparation of procedures and the conduct of inspections, examinations and test during production that are necessary to deliver an item of the required quality as specified by the terms of the contract.

Product Improvement includes improving reliability/maintainability/availability, and the correction of deficiencies exclusive of contractual specifications.

Acceptance Test and Evaluation of a production item includes preparation of test plans, testing, data analysis, and data evaluation.

Contractor Engineering and Technical Services (CETS) includes the furnishing of advice, instruction, and training by commercial or industrial companies.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0900 / DDG Mod				Modification Number / Title: 14 / DM011 - AN/SQQ-89 A(V15)				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]				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: DM011 - AN/SQQ-89 A(V15)												
B Kits												
Recurring												
1.1.1) AN/SQQ-89 EQUIPMENT A(V15) - NonOrganic (13)	3 / 23.414	2 / 14.870	2 / 15.138	- / -	- / -	- / -	2 / 15.688	2 / 15.970	2 / 16.258	2 / 16.550	2 / 16.848	17 / 134.736
Subtotal: Recurring	- / 23.414	- / 14.870	- / 15.138	- / -	- / -	- / -	- / 15.688	- / 15.970	- / 16.258	- / 16.550	- / 16.848	- / 134.736
Subtotal: DM011 - AN/SQQ-89 A(V15)	3 / 23.414	2 / 14.870	2 / 15.138	- / -	- / -	- / -	2 / 15.688	2 / 15.970	2 / 16.258	2 / 16.550	2 / 16.848	17 / 134.736
Subtotal: Procurement, All Modification Items	- / 23.414	- / 14.870	- / 15.138	- / -	- / -	- / -	- / 15.688	- / 15.970	- / 16.258	- / 16.550	- / 16.848	- / 134.736
Support (All Modification Items)												
2.1) ENGINEERING SERVICES	- / 4.625	- / 6.068	- / 2.697	- / 2.746	- / -	- / 2.746	- / 2.795	- / 2.845	- / 2.896	- / 2.949	- / 42.113	- / 69.734
Subtotal: Support	- / 4.625	- / 6.068	- / 2.697	- / 2.746	- / -	- / 2.746	- / 2.795	- / 2.845	- / 2.896	- / 2.949	- / 42.113	- / 69.734
Installation												
Modification Item 1 of 1: DM011 - AN/SQQ-89 A(V15)	- / 6.200	- / 6.899	- / 2.248	- / 8.889	- / -	- / 8.889	- / 7.917	- / 2.591	- / 10.570	- / 10.785	- / 29.826	- / 85.925
Subtotal: Installation	- / 6.200	- / 6.899	- / 2.248	- / 8.889	- / -	- / 8.889	- / 7.917	- / 2.591	- / 10.570	- / 10.785	- / 29.826	- / 85.925
Total												
Total Cost (Procurement + Support + Installation)	34.239	27.837	20.083	11.635	-	11.635	26.400	21.406	29.724	30.284	88.787	290.395

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0900 / DDG Mod				Modification Number / Title: 14 / DM011 - AN/SQQ-89 A(V15)																							
Modification Item 1 of 1: DM011 - AN/SQQ-89 A(V15)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin							Manufacturer Location: >Syracuse, NY																								
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 18																								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																								
Contract Dates	Sep 2013	Jun 2014		Mar 2016	Jun 2017	Sep 2018	Jul 2019																								
Delivery Dates	Apr 2015	Dec 2015		Sep 2017	Dec 2018	Feb 2020	Jan 2021																								
Installation Information																															
Method of Implementation: [none specified] : Installation Name: AN/SQQ-89 EQUIPMENT A(V15)																															
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)	Qty (Each) / Total Cost (\$ M)																		
Prior Years	1 / 6.200	2 / 6.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 12.700																			
FY 2013	- / -	- / 0.399	- / 1.825	2 / 7.000	- / -	2 / 7.000	- / -	- / -	- / -	- / -	- / -	2 / 9.224																			
FY 2014	- / -	- / -	- / 0.423	- / 1.889	- / -	- / 1.889	2 / 7.441	- / -	- / -	- / -	- / -	2 / 9.753																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.476	- / 2.091	2 / 7.788	- / -	- / -	2 / 10.355																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / 2.284	2 / 8.083	- / -	2 / 10.867																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.498	- / 2.194	2 / 8.124	2 / 10.816																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.508	2 / 10.498	2 / 11.006																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 11.204	2 / 11.204																			
Total	1 / 6.200	2 / 6.899	- / 2.248	2 / 8.889	- / -	2 / 8.889	2 / 7.917	- / 2.591	2 / 10.570	2 / 10.785	6 / 29.826	17 / 85.925																			
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	-	-	-	2	-	-	-	-	-	-	2	-	-	1	-	1	-	-	-	-	1	-	1	-	-	2	-	-	6	17
Out	-	-	-	-	1	-	-	-	2	-	-	-	-	-	1	1	-	1	1	-	-	-	-	1	-	1	-	-	2	6	17
Footnotes:																															
⁽¹³⁾ Interchangeable Cruiser/Destroyer combat system equipment will be installed during the FY 14 DDG combat system availability. This equipment will not require procurement funding in FY12; however, will still require Design Services Allocation (DSA) and installation funding in FY 12-14. Installation costs across the FYDP may vary depending on current port rates.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 15 / DM012 - CEC

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>)	17.881	11.122	5.980	5.001	-	5.001	2.433	-	-	-	-	42.417
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	17.881	11.122	5.980	5.001	-	5.001	2.433	-	-	-	-	42.417
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	17.881	11.122	5.980	5.001	-	5.001	2.433	-	-	-	-	42.417

(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:

Procures Cooperative Engagement Capability (CEC) combat systems that includes equipment procurement, recurring engineering, equipment integration and Integrated Logistics Support (ILS) products for DDG 51 Class ships. Flight IIA DDGs have previously received CEC installation.

Engineering Services:

Production Support Services are phased over a three (3) year span starting two (2) years prior to installation on a per hull basis. It includes five (5) elements that are related to the production and delivery of a usable end-item: Production Engineering, Quality Assurance, Product Improvement, Acceptance Test and Evaluation, and Contractor Engineering and Technical Services (CETS). Due to the phasing of the requirement over a three year period, engineering services will fluctuate depending on the number of ships in each year.

Five (5) elements and approximate breakdown is as follows:

Production Engineering includes preparation, test and technical evaluation of engineering changes to correct deficiencies in the production items; production configuration control; review and evaluation of production design data and documentation; and logistic supportability efforts.

Quality Assurance includes the preparation of procedures and the conduct of inspections, examinations and test during production that are necessary to deliver an item of the required quality as specified by the terms of the contract.

Product Improvement includes improving reliability/maintainability/availability, and the correction of deficiencies exclusive of contractual specifications.

Acceptance Test and Evaluation of a production item includes preparation of test plans, testing, data analysis, and data evaluation.

Contractor Engineering and Technical Services (CETS) includes the furnishing of advice, instruction, and training by commercial or industrial companies.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 15 / DM012 - CEC

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0900 / DDG Mod				Modification Number / Title: 15 / DM012 - CEC				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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: DM012 - CEC												
B Kits												
Recurring												
1.1.1) CEC EQUIPMENT - NonOrganic ⁽¹⁴⁾	3 / 13.112	2 / 9.064	1 / 4.614	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 26.790
Subtotal: Recurring	- / 13.112	- / 9.064	- / 4.614	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.790
Subtotal: DM012 - CEC	3 / 13.112	2 / 9.064	1 / 4.614	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 26.790
Subtotal: Procurement, All Modification Items	- / 13.112	- / 9.064	- / 4.614	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.790
Support (All Modification Items)												
2.1) ENGINEERING SERVICES	- / 1.169	- / 0.084	- / 0.032	- / 0.033	- / -	- / 0.033	- / 0.044	- / -	- / -	- / -	- / -	- / 1.362
Subtotal: Support	- / 1.169	- / 0.084	- / 0.032	- / 0.033	- / -	- / 0.033	- / 0.044	- / -	- / -	- / -	- / -	- / 1.362
Installation												
Modification Item 1 of 1: DM012 - CEC	- / 3.600	- / 1.974	- / 1.334	- / 4.968	- / -	- / 4.968	- / 2.389	- / -	- / -	- / -	- / -	- / 14.265
Subtotal: Installation	- / 3.600	- / 1.974	- / 1.334	- / 4.968	- / -	- / 4.968	- / 2.389	- / -	- / -	- / -	- / -	- / 14.265
Total												
Total Cost (Procurement + Support + Installation)	17.881	11.122	5.980	5.001	-	5.001	2.433	-	-	-	-	42.417

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0900 / DDG Mod	Modification Number / Title: 15 / DM012 - CEC

Modification Item 1 of 1: DM012 - CEC

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Raytheon	Manufacturer Location: >St. Petersburg, FL
Administrative Leadtime (<i>in Months</i>): 6	Production Leadtime (<i>in Months</i>): 18

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

Installation Information

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

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 / 3.600	2 / 1.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.300
FY 2013	- / -	- / 0.274	- / 1.195	2 / 4.350	- / -	2 / 4.350	- / -	- / -	- / -	- / -	- / -	2 / 5.819
FY 2014	- / -	- / -	- / 0.139	- / 0.618	- / -	- / 0.618	1 / 2.389	- / -	- / -	- / -	- / -	1 / 3.146
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 3.600	2 / 1.974	- / 1.334	2 / 4.968	- / -	2 / 4.968	1 / 2.389	- / -	- / -	- / -	- / -	6 / 14.265

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	-	-	-	2	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Out	-	-	-	-	1	-	-	-	2	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	6

Footnotes:

⁽¹⁴⁾ Interchangeable Cruiser/Destroyer combat system equipment will be installed during the FY 14 DDG combat system availability. This equipment will not require procurement funding in FY12; however, will still require Design Services Allocation (DSA) and installation funding in FY 12-14. Flight IIA DDGs have already received CEC. Installation costs across the FYDP may very depending on current port rates.

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment							P-1 Line Item Number / Title: 0910 / Firefighting 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 [#]	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>)	34.056	8.366	14.389	15.486	-	15.486	16.258	17.968	15.948	16.285	300.117	438.873
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	34.056	8.366	14.389	15.486	-	15.486	16.258	17.968	15.948	16.285	300.117	438.873
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	34.056	8.366	14.389	15.486	-	15.486	16.258	17.968	15.948	16.285	300.117	438.873
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date.												
Description: The Department decided that a number of survivability improvements needed to be incorporated into mission-essential ship and combat systems during their acquisition and modernization. Shipboard fires have emphasized the urgent need to upgrade features and design standards that contribute to survivability. [P40A / HB003 - BREATHING APPARATUS REPLACEMENT]: Breathing apparatus are reaching service life of 15 years and must be replaced. There is no installation associated with this replacement. There are 3 types of apparatus which require replacement: (1) confined-space entry breathing apparatus, which are the first requiring replacement; (2) emergency escape breathing devices (EEBD), and (3) self-contained breathing apparatus (SCBA) for firefighters. The cost varies based on ship type. Units of EEBD and SCBA are quantity of ships; number of breathing apparatus varies by ship. SCBA procurement cost has been reduced in the budget due to Economic Order Quantity (EOQ) savings. [P40A / HB830 PRODUCTION ENGINEERING]: Development of technical manuals, Planned Maintenance System (PMS), Provisioning Technical Documentation (PTD), Program Support Data (PSD) and Allowance Parts List (APLs); engineering to manage procurement and material, and in support of design reviews. [P3A / HB002 - MAGAZINE SPRINKLING IMPROVEMENT]: HB002 - MAGAZINE SPRINKLING IMPROVEMENT Replaces the detection system designed in the 1960s, which performs poorly and is difficult to support and maintain. [P3A / MAGAZINE SPRINKLING IMPROVEMENT]: HB5IN - INSTALLATION OF EQUIPMENT Funding is for installation of equipment for the Fleet Modernization Program installations. HB6IN - INSTALLATION OF EQUIPMENT Funding is for installation of equipment for the Fleet Modernization Program installations. [P3A - 2 / HB007 SOPV REPLACEMENT]: HB007 - REPLACE SOLENOID-OPERATED PILOT VALVE (SOPV) The SOPV is a high-maintenance item. The SOPV provides a way for remote control of AFFF and countermeasure wash down (CMWD) systems. Replacement is required to ensure these systems are operational for emergencies. Top Management Attention/Top Management Initiative (TMA/TMI) and INSURV interest due to impact of this item on AFFF system operation. The requirement is for all surface ships.												

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0910 / Firefighting Equipment									

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
[P3A - 2 / HB007 SOPV REPLACEMENT FIRST ARTICLES]: HB6IN - INSTALLATION OF EQUIPMENT Funding is for installation of equipment for the Fleet Modernization Program installations.		
[P3A - 3 / HB009 FIREFIGHTER ACCESS]: HB5IN - INSTALLATION OF EQUIPMENT Funding is for installation of equipment for the Fleet Modernization Program installations.		

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)
Firefighting Equipment	P-40a		-	-	24.624	-	-	7.289	-	-	13.331	-	-	13.921	-	-	-	-	-	13.921
P-3a - 1 / HB002 - MAGAZINE SPRINKLING IMPROVEMENT	P-3a		-	-	0.627	-	-	0.648	-	-	0.123	-	-	1.441	-	-	-	-	-	1.441
P-3a - 2 / HB007 - SOPV REPLACEMENT	P-3a		-	-	1.247	-	-	0.429	-	-	0.935	-	-	-	-	-	-	-	-	-
P-3a - 3 / HB009 - FIREFIGHTER ACCESS	P-3a		-	-	7.558	-	-	-	-	-	-	-	-	0.124	-	-	-	-	-	0.124
Total Gross/Weapon System Cost			-	-	34.056	-	-	8.366	-	-	14.389	-	-	15.486	-	-	-	-	-	15.486

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)
Firefighting Equipment	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / HB002 - MAGAZINE SPRINKLING IMPROVEMENT	P-3a		-	-	3.304	-	-	2.886	-	-	4.412	-	-	4.583	-	-	195.487	-	-	213.511
P-3a - 2 / HB007 - SOPV REPLACEMENT	P-3a		-	-	-	-	-	1.069	-	-	1.423	-	-	1.458	-	-	66.746	-	-	73.307
P-3a - 3 / HB009 - FIREFIGHTER ACCESS	P-3a		-	-	-	-	-	0.132	-	-	-	-	-	-	-	-	-	-	-	7.814
Total Gross/Weapon System Cost			-	-	16.258	-	-	17.968	-	-	15.948	-	-	16.285	-	-	300.117	-	-	438.873

*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.

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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 / 01 / 9						P-1 Line Item Number / Title: 0910 / Firefighting Equipment										Aggregated Items Title: Firefighting 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	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) HB003 - BREATHING APPARATUS REPLACEMENT ⁽¹⁾																					
1.1) EMERGENCY ESCAPE BREATHING DEVICES (EEBD)	A		309,461.54	13	4.023	610,000.00	1	0.610	218,892.86	28	6.129	358,391.30	23	8.243	-	-	-	358,391.30	23	8.243	
1.2) SELF-CONTAINED BREATHING APPARATUS (SCBA)	A		374,300.00	20	7.486	621,222.22	9	5.591	425,500.00	14	5.957	453,900.00	10	4.539	-	-	-	453,900.00	10	4.539	
Subtotal: 1) HB003 - BREATHING APPARATUS REPLACEMENT			-	-	11.509	-	-	6.201	-	-	12.086	-	-	12.782	-	-	-	-	-	12.782	
2) HB830 PRODUCTION ENGINEERING																					
2.1) HB830 - PRODUCTION ENGINEERING	A		-	-	13.115	-	-	1.088	-	-	1.245	-	-	1.139	-	-	-	-	-	1.139	
Subtotal: 2) HB830 PRODUCTION ENGINEERING			-	-	13.115	-	-	1.088	-	-	1.245	-	-	1.139	-	-	-	-	-	1.139	
Total			-	-	24.624	-	-	7.289	-	-	13.331	-	-	13.921	-	-	-	-	-	13.921	

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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 / 01 / 9								P-1 Line Item Number / Title: 0910 / Firefighting Equipment								Aggregated Items Title: Firefighting Equipment				

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) HB003 - BREATHING APPARATUS REPLACEMENT ⁽¹⁾																				
1.1) EMERGENCY ESCAPE BREATHING DEVICES (EEBD)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) SELF-CONTAINED BREATHING APPARATUS (SCBA)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) HB003 - BREATHING APPARATUS REPLACEMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) HB830 PRODUCTION ENGINEERING																				
2.1) HB830 - PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) HB830 PRODUCTION ENGINEERING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

⁽¹⁾ HB003 - SCBA replacement includes the apparatus, 45-minute air cylinders, and 30-minute air cylinders. New type of carbon-fiber replacement cylinders are approved for 30-year service life. EEBD unit cost is an average of the cost for all ships for the year, so varies each FY based on ships supported. FY14 procurement is for four CG-47 class ships (\$277K each), four DDG-51 class ships (\$269.5K each), one LHD-1 class ship (\$1,584K each), four LSD-41 class ships (\$475K each), five MCM-1 class ships (\$49K each), and ten PC-1 class ships (\$21K each). FY15 procurement is for six CG-47 class ships (\$295K each), ten DDG-51 class ships (\$289K each), two LHD-1 class ships (\$1,668K each), three MCM-1 class ships (\$53K each), and two PC-1 class ships (\$22K each).

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0910 / Firefighting Equipment	Modification Number / Title: 1 / HB002 - MAGAZINE SPRINKLING IMPROVEMENT

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>)	0.627	0.648	0.123	1.441	-	1.441	3.304	2.886	4.412	4.583	195.487	213.511
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.627	0.648	0.123	1.441	-	1.441	3.304	2.886	4.412	4.583	195.487	213.511
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.627	0.648	0.123	1.441	-	1.441	3.304	2.886	4.412	4.583	195.487	213.511
<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:

[MAGAZINE SPRINKLING IMPROVEMENT] Magazine sprinkling improvement replaces the detection system designed in the 1960s, which performs poorly and is difficult to support and maintain. Magazine sprinkling improvements may require installation by shipyards and if so will be programmed for CNO availabilities. Delivery of each ship set is planned for several months in advance of availability start to reduce risk of ship availability changes.

Unit costs vary significantly by ship class due to the quantity and/or size of the magazines. Amphibious ships have larger magazines, requiring more fire detectors than DDG-51 Class ships, and DDG-51 Class ships already have smoke detectors. Equipment pricing is actual contact price plus administrative cost. There is no cost growth in equipment cost. Units are quantities of ships; equipment cost varies by ship.

FY15 cost is for one DDG-51 Class ship. FY16 procures equipment for one LSD-41 Class ship (\$0.376M) and two DDG-51 Class ships (\$0.419M total). Procurements in FY 17-19 are for DDG-51 Class ships only.

Procurement is for Fire Detection and Actuation Systems (FDAS) and for motor-operated pilot valves (MOPV). The FDAS consists of heat detectors, smoke detectors for amphibious ships, and associated electronic controls. When the FDAS detects a fire, the MOPV opens to provide the sprinkling for the magazine. The MOPV is the same item procured to replace SOPVs under HB007, resulting in reduced unit costs in some years, and in reduced logistics costs.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0910 / Firefighting Equipment						Modification Number / Title: 1 / HB002 - MAGAZINE SPRINKLING IMPROVEMENT			
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> HB002 - MAGAZINE SPRINKLING IMPROVEMENT													
B Kits													
Recurring													
1.1.1) MAGAZINE SPRINKLING IMPROVEMENT - NonOrganic	- / 0.405	1 / 0.148	- / -	1 / 0.238	- / -	1 / 0.238	3 / 0.795	3 / 0.631	5 / 1.029	5 / 1.125	98 / 48.852	116 / 53.223	
1.1.2) DSA COST - Organic	- / 0.222	- / -	- / 0.123	- / 0.318	- / -	- / 0.318	- / 0.690	- / 0.847	- / 0.984	- / 1.003	- / 38.957	- / 43.144	
<i>Subtotal: Recurring</i>	- / 0.627	- / 0.148	- / 0.123	- / 0.556	- / -	- / 0.556	- / 1.485	- / 1.478	- / 2.013	- / 2.128	- / 87.809	- / 96.367	
<i>Subtotal: HB002 - MAGAZINE SPRINKLING IMPROVEMENT</i>	- / 0.627	1 / 0.148	- / 0.123	1 / 0.556	- / -	1 / 0.556	3 / 1.485	3 / 1.478	5 / 2.013	5 / 2.128	98 / 87.809	116 / 96.367	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.627	- / 0.148	- / 0.123	- / 0.556	- / -	- / 0.556	- / 1.485	- / 1.478	- / 2.013	- / 2.128	- / 87.809	- / 96.367	
Installation													
<i>Modification Item 1 of 1:</i> HB002 - MAGAZINE SPRINKLING IMPROVEMENT	- / 0.000	- / 0.500	- / -	- / 0.885	- / -	- / 0.885	- / 1.819	- / 1.408	- / 2.399	- / 2.455	- / 107.678	- / 117.144	
<i>Subtotal: Installation</i>	- / 0.000	- / 0.500	- / -	- / 0.885	- / -	- / 0.885	- / 1.819	- / 1.408	- / 2.399	- / 2.455	- / 107.678	- / 117.144	
Total													
Total Cost (Procurement + Support + Installation)	0.627	0.648	0.123	1.441	-	1.441	3.304	2.886	4.412	4.583	195.487	213.511	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9					P-1 Line Item Number / Title: 0910 / Firefighting Equipment					Modification Number / Title: 1 / HB002 - MAGAZINE SPRINKLING IMPROVEMENT		
Modification Item 1 of 1: HB002 - MAGAZINE SPRINKLING IMPROVEMENT												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Marotta ⁽²⁾							Manufacturer Location: >Montville, NJ					
Administrative Leadtime (in Months): 2							Production Leadtime (in Months): 4					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	May 2013	Jun 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019					
Delivery Dates	Sep 2013	Oct 2014	May 2015	May 2016	May 2017	May 2018	May 2019					
Manufacturer Name: Dynalec Corp. ⁽³⁾							Manufacturer Location: >Sodus, N.Y.					
Administrative Leadtime (in Months): 2							Production Leadtime (in Months): 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Jun 2013	Jun 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019					
Delivery Dates	Dec 2013	Dec 2014	Jul 2015	Jul 2016	Jul 2017	Jul 2018	Jul 2019					
Installation Information												
Method of Implementation: SHIPALT : Installation Name: MAGAZINE SPRINKLING IMPROVEMENT												
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 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.500
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	1 / 0.885	- / -	1 / 0.885	- / -	- / -	- / -	- / -	- / -	1 / 0.885
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.819	- / -	- / -	- / -	- / -	3 / 1.819
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.408	- / -	- / -	- / -	3 / 1.408
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.399	- / -	- / -	5 / 2.399
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.455	- / -	5 / 2.455
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	98 / 107.678	98 / 107.678
Total	- / -	1 / 0.500	- / -	1 / 0.885	- / -	1 / 0.885	3 / 1.819	3 / 1.408	5 / 2.399	5 / 2.455	98 / 107.678	116 / 117.144

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0910 / Firefighting Equipment	Modification Number / Title: 1 / HB002 - MAGAZINE SPRINKLING IMPROVEMENT

Modification Item 1 of 1: HB002 - MAGAZINE SPRINKLING IMPROVEMENT

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: SHIPALT : Installation Name: MAGAZINE SPRINKLING IMPROVEMENT

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	-	-	-	3	-	-	-	3	-	-	-	5	-	-	-	5	98	116
Out	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	2	-	-	1	2	-	-	2	3	-	-	103	116

Footnotes:

⁽²⁾ Same contract for HB007 requirements

⁽³⁾ Award for first article testing 2012-05

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0910 / Firefighting Equipment	Modification Number / Title: 2 / HB007 - SOPV REPLACEMENT

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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1.247	0.429	0.935	-	-	-	-	1.069	1.423	1.458	66.746	73.307
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1.247	0.429	0.935	-	-	-	-	1.069	1.423	1.458	66.746	73.307
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1.247	0.429	0.935	-	-	-	-	1.069	1.423	1.458	66.746	73.307
(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)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

[HB007 SOPV REPLACEMENT] Unit costs vary significantly by ship class. FY14 consists of 1 DDG-51 Class ship at \$0.11M and 1 LSD-41 Class ship at \$0.22M. Only DDG-51 Class ships are currently budgeted in FY 17-19.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0910 / Firefighting Equipment				Modification Number / Title: 2 / HB007 - SOPV REPLACEMENT					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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: HB007 - SOPV REPLACEMENT													
B Kits													
Recurring													
1.1.1) HB007 SOPV REPLACEMENT - NonOrganic	4 / 0.268	- / -	2 / 0.331	- / -	- / -	- / -	- / -	3 / 0.337	6 / 0.548	6 / 0.564	128 / 27.240	149 / 29.288	
1.1.2) HB007 SOPV REPLACEMENT FIRST ARTICLES - Organic ⁽⁴⁾	2 / 0.240	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.240	
1.1.3) DSA COST - Organic	- / 0.290	- / -	- / 0.247	- / -	- / -	- / -	- / -	- / 0.377	- / 0.150	- / 0.155	128 / 7.387	128 / 8.606	
Subtotal: Recurring	- / 0.798	- / -	- / 0.578	- / -	- / -	- / -	- / -	- / 0.714	- / 0.698	- / 0.719	- / 34.627	- / 38.134	
Subtotal: HB007 - SOPV REPLACEMENT	6 / 0.798	- / -	2 / 0.578	- / -	- / -	- / -	- / -	3 / 0.714	6 / 0.698	6 / 0.719	256 / 34.627	279 / 38.134	
Subtotal: Procurement, All Modification Items	- / 0.798	- / -	- / 0.578	- / -	- / -	- / -	- / -	- / 0.714	- / 0.698	- / 0.719	- / 34.627	- / 38.134	
Installation													
Modification Item 1 of 1: HB007 - SOPV REPLACEMENT	- / 0.449	- / 0.429	- / 0.357	- / -	- / -	- / -	- / -	- / 0.355	- / 0.725	- / 0.739	- / 32.119	- / 35.173	
Subtotal: Installation	- / 0.449	- / 0.429	- / 0.357	- / -	- / -	- / -	- / -	- / 0.355	- / 0.725	- / 0.739	- / 32.119	- / 35.173	
Total													
Total Cost (Procurement + Support + Installation)	1.247	0.429	0.935	-	-	-	-	1.069	1.423	1.458	66.746	73.307	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9					P-1 Line Item Number / Title: 0910 / Firefighting Equipment					Modification Number / Title: 2 / HB007 - SOPV REPLACEMENT																					
Modification Item 1 of 1: HB007 - SOPV REPLACEMENT																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Marotta ⁽⁵⁾													Manufacturer Location: >Montville, NJ																		
Administrative Leadtime (in Months): 2													Production Leadtime (in Months): 4																		
Dates		FY 2013		FY 2014		FY 2015		FY 2016		FY 2017		FY 2018		FY 2019																	
Contract Dates		May 2013		Jan 2014		Jan 2015		Jan 2016		Jan 2017		Jan 2018		Jan 2019																	
Delivery Dates		Sep 2013		May 2014		May 2015		May 2016		May 2017		May 2018		May 2019																	
Installation Information																															
Method of Implementation: SHIPALT - AIT : Installation Name: HB007 SOPV REPLACEMENT																															
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 / 0.449	1 / 0.429	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.878																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	2 / 0.357	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.357																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.355	- / -	- / -	- / -	3 / 0.355																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.725	- / -	- / -	6 / 0.725																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.739	- / -	6 / 0.739																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	128 / 32.119	128 / 32.119																		
Total		3 / 0.449	1 / 0.429	2 / 0.357	- / -	- / -	- / -	- / -	3 / 0.355	6 / 0.725	6 / 0.739	128 / 32.119	149 / 35.173																		
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot
In	3	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	1	2	-	-	3	3	-	-	3	3	128	149
Out	-	-	-	-	3	1	-	-	2	-	-	-	-	-	-	-	-	-	-	1	2	-	-	3	3	-	-	3	3	128	149
Method of Implementation (Organic): Not Installed - HB007 SOPV REPLACEMENT FIRST ARTICLES																															
																				Installation Quantity: 2											
Method of Implementation (Organic): Not Installed - DSA COST																															
																				Installation Quantity: 128											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0910 / Firefighting Equipment	Modification Number / Title: 2 / HB007 - SOPV REPLACEMENT

Footnotes:

(4) The FY11 cost is for two first articles and first article testing. First articles will not be installed.

(5) Same contract provides motor-operated pilot valve requirements under HB002

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0910 / Firefighting Equipment	Modification Number / Title: 3 / HB009 - FIREFIGHTER ACCESS

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>)	7.558	-	-	0.124	-	0.124	-	0.132	-	-	-	7.814
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	7.558	-	-	0.124	-	0.124	-	0.132	-	-	-	7.814
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	7.558	-	-	0.124	-	0.124	-	0.132	-	-	-	7.814
(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:

[HB009 FIREFIGHTER ACCESS] Additional installation funding not required for FY13 and FY14 installs due to cost savings from prior installs.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0910 / Firefighting Equipment				Modification Number / Title: 3 / HB009 - FIREFIGHTER ACCESS					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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: HB009 - FIREFIGHTER ACCESS													
B Kits													
Recurring													
1.1.1) HB009 FIREFIGHTER ACCESS - NonOrganic	51 / 3.151	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 3.151	
Subtotal: Recurring	- / 3.151	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.151	
Subtotal: HB009 - FIREFIGHTER ACCESS	51 / 3.151	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 3.151	
Subtotal: Procurement, All Modification Items	- / 3.151	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.151	
Installation													
Modification Item 1 of 1: HB009 - FIREFIGHTER ACCESS	- / 4.407	- / -	- / -	- / 0.124	- / -	- / 0.124	- / -	- / 0.132	- / -	- / -	- / -	- / 4.663	
Subtotal: Installation	- / 4.407	- / -	- / -	- / 0.124	- / -	- / 0.124	- / -	- / 0.132	- / -	- / -	- / -	- / 4.663	
Total													
Total Cost (Procurement + Support + Installation)	7.558	-	-	0.124	-	0.124	-	0.132	-	-	-	7.814	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0910 / Firefighting Equipment										Modification Number / Title: 3 / HB009 - FIREFIGHTER ACCESS											
Modification Item 1 of 1: HB009 - FIREFIGHTER ACCESS																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: SELSTROM MAN															Manufacturer Location: >PALATINE, IL																
Administrative Leadtime (in Months): 0															Production Leadtime (in Months): 3																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: AIT : Installation Name: HB009 FIREFIGHTER ACCESS																															
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		45 / 4.407		4 / 0.000		- / -		1 / 0.124		- / 0.000		1 / 0.124		- / -		1 / 0.132		- / -		- / -		- / -		- / -		51 / 4.663					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		45 / 4.407		4 / -		- / -		1 / 0.124		- / -		1 / 0.124		- / -		1 / 0.132		- / -		- / -		- / -		- / -		51 / 4.663					
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	45	-	2	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	51
Out	45	-	2	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	51

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment							P-1 Line Item Number / Title: 0925 / Command and Control Switchboard					
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>)	71.190	2.229	2.436	2.219	-	2.219	2.267	2.321	2.356	2.408	-	87.426
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	71.190	2.229	2.436	2.219	-	2.219	2.267	2.321	2.356	2.408	-	87.426
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	71.190	2.229	2.436	2.219	-	2.219	2.267	2.321	2.356	2.408	-	87.426
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ <i>in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

The switchboard program provides mission critical switching capability required to link shipboard combat equipment including weapons, launchers, sensors, computers and navigation equipment. In essence, switchboards serve as the central connection point for most elements of combat and weapon systems, interior communications, data transfer, and command and control systems. They are designed to accommodate either analog, digital interfaces, or a combination of both. In total, this budget item supports approximately 200 ships and 1,000 pieces of equipment throughout the acquisition life cycle.

Functions include: data routing; action cutout; test and operating mode selection (including casualty back-up modes); power monitoring and control; circuit protection; peripheral equipment isolation; and signal processing, frequency conversion amplification and switching. In summary, the primary purpose is to provide systems intra and interface compatibility.

Changes in other elements of the combat and Interior Communication (IC) systems will frequently mandate either conjunctive modification to switchboards via ship change documents (SCDs), ordnance alteration (ORDALT)/ field changes (FCs) or partial or complete replacement of existing switchboards. Typical switchboard mods include hardware/field change kits, ORDALT/SCD/FC instructions, technical manual updates and revisions to other supporting documentation. Hull unique switchboard configurations require hull unique documentation. Subsequent alterations to these switchboards require hull unique design, hardware, installation, and checkout procedures.

New Switchboards are normally installed during a regular overhaul by a shipyard.

Command and control switchboards are currently installed on and are required for almost all surface combatants and amphibious warfare ships. Individual switchboard unit cost varies from ship to ship, depending upon size, complexity, and whether analog or digital interfaces or some combination thereof are utilized. Modifications to existing switchboards via Ship Alterations (SHIPALTs), SCDs, ORDALTs or FCs are quantified by kits or change packages rather than individual units. The number of kits required for different classes of ships are as follows: DDGs/CGs require three to four (3 - 4) per ship, LSDs require two (2) per ship, LPDs require one (1) per ship, MCMs

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0925 / Command and Control Switchboard									

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

require (3) per ship and LHDs require two (2) per ship. The magnitude of modifications also vary, as Cruiser Modernization is considerably more complex than the Amphibious Class hulls. Switchboard hardware is normally procured by the Invitation For Bids (IFB) process, from manufacturers on Qualified Products List (QPL)-17000. There are currently six companies listed on QPL-17000. All contracts awarded are competitive, fixed price.

Shipboard Air Traffic Control Communications (SATCC)

The SATCC program mission is to provide a reliable, state-of-the-art communications system to enhance safe shipboard launch and recovery of high performance aircraft. Successful and safe flight operations demand coordinated action and on-demand communication between pilots, Air Traffic Controllers (ATC), Landing Signal Officers (LSO), the Air Boss and flight deck personnel, together forming the ATC team.

[P40A / GE003 ENG UPGRADES/MODS TO EQUIPMENT & TECH DOCUMENTATION]: Combat Systems & Interior Communication Switchboard Engineering and Modifications Upgrades to Equipment, Drawings, Technical Manuals (TMs) Allowance Parts Lists (APLs) and Allowance Equipage Lists (AELs). This line covers the costs to upgrade/modify existing equipment and associated technical documentation to implement and validate upgraded switching configurations essential for the ships' switchboards to properly integrate all elements of the Combat System and Interior Communication interfaces. The upgraded engineering modification drives the procurement of hardware modification kits (i.e., ORDALTs & Field Changes). These engineering modifications are essential to the functional deployment of Battle Force Interoperability.

[P40A / GE009 SHIPBOARD AIR TRAFFIC CONTROL COMMUNICATIONS (SATCC)]: SATCC provides simultaneous operations of all ATC communication systems from a single Touch Entry Display (TED) user terminal, enhancing safety during Case III operations. SATCC fully integrates the Air Traffic Control communication suite, including Air Traffic Control Center, Primary Flight Control (PriFly), LSO and flight deck personnel. SATCC provides on-demand and reliable voice communications for the ATC team to perform these functions safely.

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)
COMMAND AND CONTROL SWITCHBOARD	P-40a		-	-	23.607	-	-	2.047	-	-	2.092	-	-	1.744	-	-	-	-	-	1.744
P-3a - 1 / COMMAND AND CONTROL ORDALT/FIELD CHANGE KITS	P-3a		-	-	47.583	-	-	0.182	-	-	0.344	-	-	0.475	-	-	-	-	-	0.475
Total Gross/Weapon System Cost			-	-	71.190	-	-	2.229	-	-	2.436	-	-	2.219	-	-	-	-	-	2.219

Exhibits Schedule		FY 2016				FY 2017			FY 2018			FY 2019			To Complete			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)
COMMAND AND CONTROL SWITCHBOARD	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / COMMAND AND CONTROL ORDALT/FIELD CHANGE KITS	P-3a		-	-	0.511	-	-	0.595	-	-	0.560	-	-	0.574	-	-	-	-	-	50.824

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0925 / Command and Control Switchboard										
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:								Other Related Program Elements:						
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			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)
Total Gross/Weapon System Cost			-	-	2.267	-	-	2.321	-	-	2.356	-	-	2.408	-	-	-	-	-	87.426
*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.																				

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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 / 01 / 9									P-1 Line Item Number / Title: 0925 / Command and Control Switchboard							Aggregated Items Title: COMMAND AND CONTROL SWITCHBOARD					
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) GE003 ENG UPGRADES/MODS TO EQUIPMENT & TECH DOCUMENTATION																					
1.1) ENGINEERING UPGRADES/MODS TO EQUIPMENT & TECHNICAL DOCUMENTATION	A		-	-	13.247	-	-	1.314	-	-	2.092	-	-	1.744	-	-	-	-	-	1.744	
Subtotal: 1) GE003 ENG UPGRADES/MODS TO EQUIPMENT & TECH DOCUMENTATION			-	-	13.247	-	-	1.314	-	-	2.092	-	-	1.744	-	-	-	-	-	1.744	
2) GE009 SHIPBOARD AIR TRAFFIC CONTROL COMMUNICATIONS (SATCC)																					
2.1) SHIPBOARD AIR TRAFFIC CONTROL COMMUNICATIONS (SATCC)	A		-	-	10.360	-	-	0.733	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2) GE009 SHIPBOARD AIR TRAFFIC CONTROL COMMUNICATIONS (SATCC)			-	-	10.360	-	-	0.733	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	23.607	-	-	2.047	-	-	2.092	-	-	1.744	-	-	-	-	-	1.744	

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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 / 01 / 9									P-1 Line Item Number / Title: 0925 / Command and Control Switchboard							Aggregated Items Title: COMMAND AND CONTROL SWITCHBOARD					
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) GE003 ENG UPGRADES/MODS TO EQUIPMENT & TECH DOCUMENTATION																					
1.1) ENGINEERING UPGRADES/MODS TO EQUIPMENT & TECHNICAL DOCUMENTATION	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: 1) GE003 ENG UPGRADES/MODS TO EQUIPMENT & TECH DOCUMENTATION</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2) GE009 SHIPBOARD AIR TRAFFIC CONTROL COMMUNICATIONS (SATCC)																					
2.1) SHIPBOARD AIR TRAFFIC CONTROL COMMUNICATIONS (SATCC)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: 2) GE009 SHIPBOARD AIR TRAFFIC CONTROL COMMUNICATIONS (SATCC)</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0925 / Command and Control Switchboard	Modification Number / Title: 1 / COMMAND AND CONTROL ORDALT/FIELD CHANGE KITS

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>)	47.583	0.182	0.344	0.475	-	0.475	0.511	0.595	0.560	0.574	-	50.824
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	47.583	0.182	0.344	0.475	-	0.475	0.511	0.595	0.560	0.574	-	50.824
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	47.583	0.182	0.344	0.475	-	0.475	0.511	0.595	0.560	0.574	-	50.824
<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:

Combat Systems & Interior Communication Switchboard Engineering and Modifications Upgrades to Equipment, Drawings, Technical Manuals (TMs) Allowance Parts Lists (APLs) and Allowance Equipage Lists (AELs). This line covers the costs to upgrade/modify existing equipment and associated technical documentation to implement and validate upgraded switching configurations essential for the ships' switchboards to properly integrate all elements of the Combat System and Interior Communication interfaces. The upgraded engineering modification drives the procurement of hardware modification kits (i.e., ORDALTs & Field Changes). These engineering modifications are essential to the functional deployment of Battle Force Interoperability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0925 / Command and Control Switchboard						Modification Number / Title: 1 / COMMAND AND CONTROL ORDALT/FIELD CHANGE KITS			
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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: COMMAND AND CONTROL ORDALT/FIELD CHANGE KITS													
B Kits													
Recurring													
1.1.1) Ordalt/Field Change Kits - NonOrganic ⁽¹⁾		81 / 47.583	7 / 0.182	15 / 0.344	15 / 0.475	- / -	15 / 0.475	17 / 0.511	16 / 0.595	14 / 0.560	14 / 0.574	- / -	179 / 50.824
Subtotal: Recurring		- / 47.583	- / 0.182	- / 0.344	- / 0.475	- / -	- / 0.475	- / 0.511	- / 0.595	- / 0.560	- / 0.574	- / -	- / 50.824
Subtotal: COMMAND AND CONTROL ORDALT/FIELD CHANGE KITS		81 / 47.583	7 / 0.182	15 / 0.344	15 / 0.475	- / -	15 / 0.475	17 / 0.511	16 / 0.595	14 / 0.560	14 / 0.574	- / -	179 / 50.824
Subtotal: Procurement, All Modification Items		- / 47.583	- / 0.182	- / 0.344	- / 0.475	- / -	- / 0.475	- / 0.511	- / 0.595	- / 0.560	- / 0.574	- / -	- / 50.824
Installation													
Modification Item 1 of 1: COMMAND AND CONTROL ORDALT/FIELD CHANGE KITS		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Installation		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total													
Total Cost (Procurement + Support + Installation)		47.583	0.182	0.344	0.475	-	0.475	0.511	0.595	0.560	0.574	-	50.824

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0925 / Command and Control Switchboard				Modification Number / Title: 1 / COMMAND AND CONTROL ORDALT/FIELD CHANGE KITS				
Modification Item 1 of 1: COMMAND AND CONTROL ORDALT/FIELD CHANGE KITS												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: CACI						Manufacturer Location: >OXNARD, CA						
Administrative Leadtime (<i>in Months</i>): 0						Production Leadtime (<i>in Months</i>): 1						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates												
Delivery Dates												
Manufacturer Name: Valkyrie						Manufacturer Location: >Oxnard, CA						
Administrative Leadtime (<i>in Months</i>): 0						Production Leadtime (<i>in Months</i>): 1						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	May 2013	Feb 2014	Dec 2014	Dec 2015	Dec 2016	Nov 2017	Oct 2017					
Delivery Dates	Jun 2013	Mar 2014	Jan 2015	Jan 2016	Jan 2017	Dec 2017	Nov 2017					
Installation Information												
Method of Implementation: AIT : Installation Name: Ordalt/Field Change 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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Prior Years	81 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	81 / 0.000
FY 2013	- / -	7 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / -
FY 2014	- / -	- / -	15 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / -
FY 2015	- / -	- / -	- / -	15 / -	- / -	15 / -	- / -	- / -	- / -	- / -	- / -	15 / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	17 / -	- / -	- / -	- / -	- / -	17 / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / -	- / -	- / -	- / -	16 / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / -	- / -	- / -	14 / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / -	- / -	14 / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	81 / 0.000	7 / -	15 / -	15 / -	- / -	15 / -	17 / -	16 / -	14 / -	14 / -	- / -	179 / -

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Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9											P-1 Line Item Number / Title: 0925 / Command and Control Switchboard												Modification Number / Title: 1 / COMMAND AND CONTROL ORDALT/FIELD CHANGE KITS									
Modification Item 1 of 1: COMMAND AND CONTROL ORDALT/FIELD CHANGE KITS																																
Modification Item MDAP/MAIS Code:																																
Installation Information																																
Method of Implementation: AIT : Installation Name: Ordalt/Field Change Kits																																
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	81	-	-	4	3	-	5	5	5	-	5	5	5	-	3	5	9	2	6	4	4	-	4	3	7	8	1	3	2	-	179	
Out	81	-	-	2	2	3	5	5	5	-	5	5	5	-	3	5	9	2	6	4	4	-	4	3	7	8	1	3	2	-	179	

Footnotes:

(1) FY 2013 funding is for 7 total units as follows: 2 DDG-class (4 units) and 1 CG-Class (3 units). FY 2014 funding is for 15 total units as follows: 1 DDG-Class (2 units), 3 MCM-Class (9 units), and 2 LSD-Class (4 units). FY 2015 funding is for 15 units as follows: 1 CG-class (3 units), 2 DDG-class (4 units), 1 LHD-Class (2 units) and 2 MCM-Class (6 units).

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment	P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife

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>)	0.000	-	6.350	17.928	-	17.928	64.578	40.303	23.330	21.034	8.260	181.783
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	6.350	17.928	-	17.928	64.578	40.303	23.330	21.034	8.260	181.783
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	6.350	17.928	-	17.928	64.578	40.303	23.330	21.034	8.260	181.783
<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:

Funding provides for the procurement of High Efficiency Small-Capacity (HES-C) Air Conditioning Compressors and Power Management Platform (PMP)(Brushless Generator) for the LHD Midlife Program. HES-C provides additional air conditioning capability to support growing electronic cooling requirements. PMP manages the generation and distribution of electric power aboard the ships. Also replaces obsolete main feed pump for main propulsion boiler.

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 / KK001 - LHD Midlife, Power Management Platform (PMP)(Brushless Generator)	P-3a		-	-	0.000	-	-	-	-	-	6.350	-	-	14.762	-	-	-	-	-	14.762
P-3a - 2 / KK001 - LHD Midlife HVAC IMPROVEMENTS (HESC)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	1.400	-	-	-	-	-	1.400
P-3a - 3 / KK001 - Main Feed Pump	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	1.766	-	-	-	-	-	1.766
P-3a - 4 / KK001 - VSD Fire Pump	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 5 / KK001 - Reverse Osmosis	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment	P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife

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

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)
Total Gross/Weapon System Cost			-	-	0.000	-	-	-	-	-	6.350	-	-	17.928	-	-	-	-	-	17.928

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 / KK001 - LHD Midlife, Power Management Platform (PMP)(Brushless Generator)	P-3a		-	-	17.210	-	-	15.005	-	-	12.380	-	-	10.456	-	-	3.960	-	-	80.123
P-3a - 2 / KK001 - LHD Midlife HVAC IMPROVEMENTS (HESC)	P-3a		-	-	16.500	-	-	15.100	-	-	10.950	-	-	10.578	-	-	4.300	-	-	58.828
P-3a - 3 / KK001 - Main Feed Pump	P-3a		-	-	7.000	-	-	4.500	-	-	-	-	-	-	-	-	-	-	-	13.266
P-3a - 4 / KK001 - VSD Fire Pump	P-3a		-	-	8.000	-	-	3.000	-	-	-	-	-	-	-	-	-	-	-	11.000
P-3a - 5 / KK001 - Reverse Osmosis	P-3a		-	-	15.868	-	-	2.698	-	-	-	-	-	-	-	-	-	-	-	18.566
Total Gross/Weapon System Cost			-	-	64.578	-	-	40.303	-	-	23.330	-	-	21.034	-	-	8.260	-	-	181.783

*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.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife	Modification Number / Title: 1 / KK001 - LHD Midlife, Power Management Platform (PMP)(Brushless Generator)

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>)	0.000	-	6.350	14.762	-	14.762	17.210	15.005	12.380	10.456	3.960	80.123
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	6.350	14.762	-	14.762	17.210	15.005	12.380	10.456	3.960	80.123
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	6.350	14.762	-	14.762	17.210	15.005	12.380	10.456	3.960	80.123

(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:

This ship alteration improves the reliability, visibility, and control of the LHD 1 Class ships power system.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife						Modification Number / Title: 1 / KK001 - LHD Midlife, Power Management Platform (PMP)(Brushless Generator)			
Models of Systems Affected: LHD Midlife PMP				Modification Type: [No Modification Type Specified]				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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
Modification Item 1 of 1: KK001 - LHD Midlife, Power Management Platform (PMP)(Brushless Generator)													
B Kits													
Recurring													
1.1.1) Power Management Platform (PMP)(Brushless Generator) - NonOrganic ⁽¹⁾	- / -	- / -	- / -	1 / 5.774	- / -	1 / 5.774	1 / 5.450	1 / 5.450	1 / 5.450	1 / 5.554	- / -	5 / 27.678	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 5.774	- / -	- / 5.774	- / 5.450	- / 5.450	- / 5.450	- / 5.554	- / -	- / 27.678	
Subtotal: KK001 - LHD Midlife, Power Management Platform (PMP)(Brushless Generator)	- / -	- / -	- / -	1 / 5.774	- / -	1 / 5.774	1 / 5.450	1 / 5.450	1 / 5.450	1 / 5.554	- / -	5 / 27.678	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 5.774	- / -	- / 5.774	- / 5.450	- / 5.450	- / 5.450	- / 5.554	- / -	- / 27.678	
Installation													
Modification Item 1 of 1: KK001 - LHD Midlife, Power Management Platform (PMP)(Brushless Generator)	- / 0.000	- / -	- / 6.350	- / 8.988	- / -	- / 8.988	- / 11.760	- / 9.555	- / 6.930	- / 4.902	- / 3.960	- / 52.445	
Subtotal: Installation	- / 0.000	- / -	- / 6.350	- / 8.988	- / -	- / 8.988	- / 11.760	- / 9.555	- / 6.930	- / 4.902	- / 3.960	- / 52.445	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	6.350	14.762	-	14.762	17.210	15.005	12.380	10.456	3.960	80.123	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife	Modification Number / Title: 1 / KK001 - LHD Midlife, Power Management Platform (PMP)(Brushless Generator)

Modification Item 1 of 1: KK001 - LHD Midlife, Power Management Platform (PMP)(Brushless Generator)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NAVSSES Manufacturer Location: >TBD

Administrative Leadtime (in Months): 1 Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: AIT : Installation Name: Power Management Platform (PMP)(Brushless Generator)

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	- / -	- / -	- / 6.350	- / 3.000	- / -	- / 3.000	1 / 3.890	- / -	- / -	- / -	- / -	1 / 13.240
FY 2016	- / -	- / -	- / -	- / 5.988	- / -	- / 5.988	- / 2.000	1 / 3.890	- / -	- / -	- / -	1 / 11.878
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.870	- / 1.000	1 / 3.890	- / -	- / -	1 / 10.760
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.665	- / 1.040	1 / 3.964	- / -	1 / 9.669
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.000	- / 0.938	1 / 3.960	1 / 6.898
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / 6.350	- / 8.988	- / -	- / 8.988	1 / 11.760	1 / 9.555	1 / 6.930	1 / 4.902	1 / 3.960	5 / 52.445

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	1	5
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	2	5

Footnotes:
⁽¹⁾ FY 2014 and FY 2015 installation funds are required for DSA for significant Non-Recurring Engineering (NRE) and detail system design for LHD Power Management Platform (PMP) and Heating, Ventilation, and Air Conditioning (HVAC) improvements, which are required to resolve obsolescence issues in advance of the ship availability start in 2Q16.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife	Modification Number / Title: 2 / KK001 - LHD Midlife HVAC IMPROVEMENTS (HESC)

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>)	0.000	-	-	1.400	-	1.400	16.500	15.100	10.950	10.578	4.300	58.828
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	1.400	-	1.400	16.500	15.100	10.950	10.578	4.300	58.828
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	1.400	-	1.400	16.500	15.100	10.950	10.578	4.300	58.828

(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:

This ship alteration improves the HVAC capability for the LHD's as part of the LHD midlife.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife				Modification Number / Title: 2 / KK001 - LHD Midlife HVAC IMPROVEMENTS (HESC)				
Models of Systems Affected: LHD Midlife HVAC			Modification Type: [No Modification Type Specified]					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: KK001 - LHD Midlife HVAC IMPROVEMENTS (HESC)												
B Kits												
Recurring												
1.1.1) HVAC IMPROVEMENTS (HESC) - NonOrganic (2)	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.650	1 / 5.650	1 / 5.650	1 / 5.757	- / -	4 / 22.707
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 5.650	- / 5.650	- / 5.650	- / 5.757	- / -	- / 22.707
Subtotal: KK001 - LHD Midlife HVAC IMPROVEMENTS (HESC)	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.650	1 / 5.650	1 / 5.650	1 / 5.757	- / -	4 / 22.707
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 5.650	- / 5.650	- / 5.650	- / 5.757	- / -	- / 22.707
Installation												
Modification Item 1 of 1: KK001 - LHD Midlife HVAC IMPROVEMENTS (HESC)	- / 0.000	- / -	- / -	- / 1.400	- / -	- / 1.400	- / 10.850	- / 9.450	- / 5.300	- / 4.821	- / 4.300	- / 36.121
Subtotal: Installation	- / 0.000	- / -	- / -	- / 1.400	- / -	- / 1.400	- / 10.850	- / 9.450	- / 5.300	- / 4.821	- / 4.300	- / 36.121
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	1.400	-	1.400	16.500	15.100	10.950	10.578	4.300	58.828

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife										Modification Number / Title: 2 / KK001 - LHD Midlife HVAC IMPROVEMENTS (HESC)											
Modification Item 1 of 1: KK001 - LHD Midlife HVAC IMPROVEMENTS (HESC)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: NAVSSES															Manufacturer Location: >TBD																
Administrative Leadtime (in Months): 1															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: AIT : Installation Name: HVAC IMPROVEMENTS (HESC)																															
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																		
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																	
Prior Years		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / 1.400	- / -	- / 1.400	- / 10.850	1 / 6.250	- / -	- / -	- / -	1 / 18.500																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.200	1 / 4.350	- / -	- / -	1 / 7.550																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.950	1 / 3.921	- / -	1 / 4.871																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.900	1 / 4.300	- / -	1 / 5.200																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	- / -	- / 1.400	- / -	- / 1.400	- / 10.850	1 / 9.450	1 / 5.300	1 / 4.821	1 / 4.300	4 / 36.121																		
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	2	4
Footnotes: ⁽²⁾ FY 2015 installation funds are required for DSA for significant Non-Recurring Engineering (NRE) and detail system design for LHD Power Management Platform (PMP) and Heating, Ventilation, and Air Conditioning (HVAC) improvements, which are required to resolve obsolescence issues in advance of the ship availability start in 4Q17.																															

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife	Modification Number / Title: 3 / KK001 - Main Feed Pump

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>)	0.000	-	-	1.766	-	1.766	7.000	4.500	-	-	-	13.266
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	1.766	-	1.766	7.000	4.500	-	-	-	13.266
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	1.766	-	1.766	7.000	4.500	-	-	-	13.266
<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:

FY15 installation funds are required for DSA.

[Main Feed Pump] Replacement of Obsolete main feed pump with new shock qualified unit to meet service life.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife				Modification Number / Title: 3 / KK001 - Main Feed Pump					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]				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: KK001 - Main Feed Pump													
B Kits													
Recurring													
1.1.1) Main Feed Pump - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.000	- / -	- / -	- / -	- / -	1 / 4.000	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 4.000	- / -	- / -	- / -	- / -	- / 4.000	
Subtotal: KK001 - Main Feed Pump	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.000	- / -	- / -	- / -	- / -	1 / 4.000	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 4.000	- / -	- / -	- / -	- / -	- / 4.000	
Installation													
Modification Item 1 of 1: KK001 - Main Feed Pump	- / 0.000	- / -	- / -	- / 1.766	- / -	- / 1.766	- / 3.000	- / 4.500	- / -	- / -	- / -	- / 9.266	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 1.766	- / -	- / 1.766	- / 3.000	- / 4.500	- / -	- / -	- / -	- / 9.266	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	1.766	-	1.766	7.000	4.500	-	-	-	13.266	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife										Modification Number / Title: 3 / KK001 - Main Feed Pump											
Modification Item 1 of 1: KK001 - Main Feed Pump																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: TBD													Manufacturer Location: >TBD																		
Administrative Leadtime <i>(in Months)</i> : 2													Production Leadtime <i>(in Months)</i> : 15																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: [none specified] : Installation Name: Main Feed Pump																															
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		- / -		- / -		- / -		- / 1.766		- / -		- / 1.766		- / 3.000		1 / 4.500		- / -		- / -		- / -		- / -		1 / 9.266					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		- / 1.766		- / -		- / 1.766		- / 3.000		1 / 4.500		- / -		- / -		- / -		- / -		1 / 9.266					
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	-	-	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife	Modification Number / Title: 4 / KK001 - VSD Fire Pump

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>)	0.000	-	-	-	-	-	8.000	3.000	-	-	-	11.000
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	8.000	3.000	-	-	-	11.000
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	8.000	3.000	-	-	-	11.000
(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:

[VSD Fire Pumps] Replace steam driven fire pumps with variable speed drive (VSD) electric fire pumps to support service life.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife				Modification Number / Title: 4 / KK001 - VSD Fire Pump				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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: KK001 - VSD Fire Pump												
B Kits												
Recurring												
1.1.1) VSD Fire Pumps - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.000	- / -	- / -	- / -	- / -	2 / 4.000
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 4.000	- / -	- / -	- / -	- / -	- / 4.000
Subtotal: KK001 - VSD Fire Pump	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.000	- / -	- / -	- / -	- / -	2 / 4.000
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 4.000	- / -	- / -	- / -	- / -	- / 4.000
Installation												
Modification Item 1 of 1: KK001 - VSD Fire Pump	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 4.000	- / 3.000	- / -	- / -	- / -	- / 7.000
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 4.000	- / 3.000	- / -	- / -	- / -	- / 7.000
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	8.000	3.000	-	-	-	11.000

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife										Modification Number / Title: 4 / KK001 - VSD Fire Pump											
Modification Item 1 of 1: KK001 - VSD Fire Pump																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: TBD													Manufacturer Location: >TBD																		
Administrative Leadtime <i>(in Months)</i> : 1													Production Leadtime <i>(in Months)</i> : 9																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: [none specified] : Installation Name: VSD Fire Pumps																															
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								
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>								
Prior Years		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2013		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2014		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2015		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2016		-	/	-	-	/	-	-	/	-	-	/	-	1 / 4.000	1 / 3.000	-	/	-	-	/	-	-	/	-	2 / 7.000						
FY 2017		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2018		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2019		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
To Complete		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
Total		-	/	-	-	/	-	-	/	-	-	/	-	1 / 4.000	1 / 3.000	-	/	-	-	/	-	-	/	-	2 / 7.000						
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	-	-	-	-	-	-	-	-	-	2
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	2

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife	Modification Number / Title: 5 / KK001 - Reverse Osmosis

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>)	0.000	-	-	-	-	-	15.868	2.698	-	-	-	18.566
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	15.868	2.698	-	-	-	18.566
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	15.868	2.698	-	-	-	18.566
(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:

[Reverse Osmosis Water Generator] Provides additional water making capability to support crew water requirements and additional corrosion washdown in well deck.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife				Modification Number / Title: 5 / KK001 - Reverse Osmosis					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]				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: KK001 - Reverse Osmosis													
B Kits													
Recurring													
1.1.1) Reverse Osmosis Water Generator - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	1 / 6.500	- / -	- / -	- / -	- / -	1 / 6.500	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 6.500	- / -	- / -	- / -	- / -	- / 6.500	
Subtotal: KK001 - Reverse Osmosis	- / -	- / -	- / -	- / -	- / -	- / -	1 / 6.500	- / -	- / -	- / -	- / -	1 / 6.500	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 6.500	- / -	- / -	- / -	- / -	- / 6.500	
Installation													
Modification Item 1 of 1: KK001 - Reverse Osmosis	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 9.368	- / 2.698	- / -	- / -	- / -	- / 12.066	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 9.368	- / 2.698	- / -	- / -	- / -	- / 12.066	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	15.868	2.698	-	-	-	18.566	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0933 / LHA/LHD Midlife	Modification Number / Title: 5 / KK001 - Reverse Osmosis

Modification Item 1 of 1: KK001 - Reverse Osmosis

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: TBD				Manufacturer Location: >TBD			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 14			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: [none specified] : Installation Name: Reverse Osmosis Water Generator

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	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.368	1 / 2.698	- / -	- / -	- / -	1 / 12.066
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.368	1 / 2.698	- / -	- / -	- / -	1 / 12.066

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

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment	P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program

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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	-	37.329	22.025	-	22.025	12.408	2.050	2.370	2.391	-	78.573
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	37.329	22.025	-	22.025	12.408	2.050	2.370	2.391	-	78.573
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	-	37.329	22.025	-	22.025	12.408	2.050	2.370	2.391	-	78.573
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

LCC EXTENDED SERVICE LIFE PROGRAM

Funds provide for the procurement and installation of equipment in support of LCC 19 Class Extended Service Life Program extending this class to a 2039 service life. Funds specifically provided for LCC electrical improvements, including new ship service diesel generators (SSDGs), switchboards, and brushless ship service turbine generators (SSTGs), VS-50 Oil Water Separator for environmental protection, qualified propulsion shaft, and new air search radar to replace obsolete SPS-40 radar.

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)
LCC 19/20 Extended Service Life Program	P-40a		-	-	0.000	-	-	-	-	-	3.279	-	-	-	-	-	-	-	-	-
P-3a - 1 / MB001 - LCC19 Ship Electrical Improvements	P-3a		-	-	0.000	-	-	-	-	-	6.750	-	-	12.026	-	-	-	-	-	12.026
P-3a - 2 / MB001 - LCC19 VS-50+Oil Water Separator.	P-3a		-	-	0.000	-	-	-	-	-	1.800	-	-	3.500	-	-	-	-	-	3.500
P-3a - 4 / MB001 - LCC20 Electrical Improvements.	P-3a		-	-	0.000	-	-	-	-	-	13.500	-	-	5.499	-	-	-	-	-	5.499
P-3a - 5 / MB001 - LCC20 Propulsion Items	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 3 / MB001 - LCC 19 Air Search Radar	P-3a		-	-	0.000	-	-	-	-	-	12.000	-	-	1.000	-	-	-	-	-	1.000

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment	P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program

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

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)
Total Gross/Weapon System Cost			-	-	0.000	-	-	-	-	-	37.329	-	-	22.025	-	-	-	-	-	22.025

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)
LCC 19/20 Extended Service Life Program	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / MB001 - LCC19 Ship Electrical Improvements	P-3a		-	-	8.656	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.432
P-3a - 2 / MB001 - LCC19 VS-50+Oil Water Separator.	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.300
P-3a - 4 / MB001 - LCC20 Electrical Improvements.	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.999
P-3a - 5 / MB001 - LCC20 Propulsion Items	P-3a		-	-	-	-	-	2.050	-	-	2.370	-	-	2.391	-	-	-	-	-	6.811
P-3a - 3 / MB001 - LCC 19 Air Search Radar	P-3a		-	-	3.752	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.752
Total Gross/Weapon System Cost			-	-	12.408	-	-	2.050	-	-	2.370	-	-	2.391	-	-	-	-	-	78.573

*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.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy																Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9						P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program										Aggregated Items Title: LCC 19/20 Extended Service Life Program				
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) LCC 20 Propulsion Main Shaft																				
1.1) LCC 20 Propulsion Main Shaft Battle Spare ⁽¹⁾	A		-	-	-	-	-	-	3,279K	1	3.279	-	-	-	-	-	-	-	-	-
Subtotal: 1) LCC 20 Propulsion Main Shaft			-	-	0.000	-	-	-	-	-	3.279	-	-	-	-	-	-	-	-	-
Total			-	-	0.000	-	-	-	-	-	3.279	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy															Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9								P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program							Aggregated Items Title: LCC 19/20 Extended Service Life Program				

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) LCC 20 Propulsion Main Shaft																				
1.1) LCC 20 Propulsion Main Shaft Battle Spare ⁽¹⁾	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1) LCC 20 Propulsion Main Shaft			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Footnotes:

⁽¹⁾ Procures Main Shaft Battle Spare for rotatable repair pool.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program	Modification Number / Title: 1 / MB001 - LCC19 Ship Electrical Improvements

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>)	0.000	-	6.750	12.026	-	12.026	8.656	-	-	-	-	27.432
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	6.750	12.026	-	12.026	8.656	-	-	-	-	27.432
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	6.750	12.026	-	12.026	8.656	-	-	-	-	27.432

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

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

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

Description:

Procurement and installation of upgrades to USS BLUE RIDGE (LCC 19) Electrical System in support of the Extended Service Life Program. Provides a ship set 1825KW Ship Service Emergency Diesel Generators (SS/EDGs), upgrade to existing Ship Service Diesel Generator (SSDG) Cooling System and upgrade of Ship Service Turbine Generators (SSTGs).

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program						Modification Number / Title: 1 / MB001 - LCC19 Ship Electrical Improvements			
Models of Systems Affected: LCC19 Ship Electrical Improvements				Modification Type: [No Modification Type Specified]						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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> MB001 - LCC19 Ship Electrical Improvements													
A Kits													
Recurring													
2.1.1) Ship Electrical Improvements - NonOrganic ⁽²⁾	- / -	- / -	1 / 6.000	2 / 9.826	- / -	2 / 9.826	- / -	- / -	- / -	- / -	- / -	3 / 15.826	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / 6.000	- / 9.826	- / -	- / 9.826	- / -	- / -	- / -	- / -	- / -	- / 15.826	
<i>Subtotal: MB001 - LCC19 Ship Electrical Improvements</i>	- / -	- / -	1 / 6.000	2 / 9.826	- / -	2 / 9.826	- / -	- / -	- / -	- / -	- / -	3 / 15.826	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / 6.000	- / 9.826	- / -	- / 9.826	- / -	- / -	- / -	- / -	- / -	- / 15.826	
Installation													
<i>Modification Item 1 of 1:</i> MB001 - LCC19 Ship Electrical Improvements	- / 0.000	- / -	- / 0.750	- / 2.200	- / -	- / 2.200	- / 8.656	- / -	- / -	- / -	- / -	- / 11.606	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / 0.750	- / 2.200	- / -	- / 2.200	- / 8.656	- / -	- / -	- / -	- / -	- / 11.606	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	6.750	12.026	-	12.026	8.656	-	-	-	-	27.432	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program	Modification Number / Title: 1 / MB001 - LCC19 Ship Electrical Improvements

Modification Item 1 of 1: MB001 - LCC19 Ship Electrical Improvements

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: TBD ⁽³⁾	Manufacturer Location: >TBD
Administrative Leadtime (in Months): 8	Production Leadtime (in Months): 24

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

Installation Information

Method of Implementation: AIT : Installation Name: Ship Electrical Improvements

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	- / -	- / -	- / 0.750	- / 0.400	- / -	- / 0.400	1 / 2.893	- / -	- / -	- / -	- / -	1 / 4.043
FY 2015	- / -	- / -	- / -	- / 1.800	- / -	- / 1.800	2 / 5.763	- / -	- / -	- / -	- / -	2 / 7.563
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / 0.750	- / 2.200	- / -	- / 2.200	3 / 8.656	- / -	- / -	- / -	- / -	3 / 11.606

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
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	3

Footnotes:

⁽²⁾ Procurement of the SS/EDG System (24 month PLT) is in FY14 with install in FY16. Procurement of the SSDG Cooling system (12 month PLT) is in FY15 with install in FY16. Procurement of the SSTG (12 month PLT) is in FY15 with install in FY16.

⁽³⁾ For SS/EDGs. Long Lead Time for shock and integration testing.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program	Modification Number / Title: 2 / MB001 - LCC19 VS-50+Oil Water Separator.

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>)	0.000	-	1.800	3.500	-	3.500	-	-	-	-	-	5.300
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	1.800	3.500	-	3.500	-	-	-	-	-	5.300
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	1.800	3.500	-	3.500	-	-	-	-	-	5.300
(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:

Procurement and installation upgrade to USS BLUE RIDGE (LCC 19) Environmental System in support of the Extended Service Life Program. Provides procurement and installation of a VS-50+ Oil Water Separator System.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program						Modification Number / Title: 2 / MB001 - LCC19 VS-50+Oil Water Separator.				
Models of Systems Affected: LCC19 VS-50+Oil Water Separator				Modification Type: [No Modification Type Specified]						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	
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement														
Modification Item 1 of 1: MB001 - LCC19 VS-50+Oil Water Separator.														
B Kits														
Recurring														
1.1.1) VS-50+Oil Water Separator - NonOrganic		- / -	- / -	1 / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.300
Subtotal: Recurring		- / 0.000	- / -	- / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.300
Subtotal: MB001 - LCC19 VS-50+Oil Water Separator.		- / -	- / -	1 / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.300
Subtotal: Procurement, All Modification Items		- / 0.000	- / -	- / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.300
Installation														
Modification Item 1 of 1: MB001 - LCC19 VS-50+Oil Water Separator.		- / 0.000	- / -	- / 0.500	- / 3.500	- / -	- / 3.500	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.000
Subtotal: Installation		- / 0.000	- / -	- / 0.500	- / 3.500	- / -	- / 3.500	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.000
Total														
Total Cost (Procurement + Support + Installation)		0.000	-	1.800	3.500	-	3.500	-	-	-	-	-	-	5.300

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program										Modification Number / Title: 2 / MB001 - LCC19 VS-50+Oil Water Separator.											
Modification Item 1 of 1: MB001 - LCC19 VS-50+Oil Water Separator.																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: TBD															Manufacturer Location: >TBD																
Administrative Leadtime <i>(in Months)</i> : 9															Production Leadtime <i>(in Months)</i> : 14																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates						Jun 2014																									
Delivery Dates						Aug 2015																									
Installation Information																															
Method of Implementation: AIT : Installation Name: VS-50+Oil Water Separator																															
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																		
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																	
Prior Years		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / 0.500	1 / 3.500	- / -	1 / 3.500	- / -	- / -	- / -	- / -	- / -	1 / 4.000																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	- / 0.500	1 / 3.500	- / -	1 / 3.500	- / -	- / -	- / -	- / -	- / -	1 / 4.000																		
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

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program	Modification Number / Title: 4 / MB001 - LCC20 Electrical Improvements.

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>)	0.000	-	13.500	5.499	-	5.499	-	-	-	-	-	18.999
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	13.500	5.499	-	5.499	-	-	-	-	-	18.999
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	13.500	5.499	-	5.499	-	-	-	-	-	18.999

(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:

Procurement and installation of upgrade to USS MOUNT WHITNEY (LCC 20) Electrical Distribution System in support of the Extended Service Life Program. Procures and installs two Emergency Diesel Generators.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program						Modification Number / Title: 4 / MB001 - LCC20 Electrical Improvements.			
Models of Systems Affected: LCC20 Electrical Improvement				Modification Type: [No Modification Type Specified]						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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> MB001 - LCC20 Electrical Improvements.													
B Kits													
Recurring													
1.1.1) LCC20 Electrical Improvement - NonOrganic ⁽⁴⁾	- / -	- / -	2 / 6.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.500	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / 6.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.500	
<i>Subtotal: MB001 - LCC20 Electrical Improvements.</i>	- / -	- / -	2 / 6.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.500	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / 6.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.500	
Installation													
<i>Modification Item 1 of 1:</i> MB001 - LCC20 Electrical Improvements.	- / 0.000	- / -	- / 7.000	- / 5.499	- / -	- / 5.499	- / -	- / -	- / -	- / -	- / -	- / 12.499	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / 7.000	- / 5.499	- / -	- / 5.499	- / -	- / -	- / -	- / -	- / -	- / 12.499	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	13.500	5.499	-	5.499	-	-	-	-	-	18.999	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program	Modification Number / Title: 4 / MB001 - LCC20 Electrical Improvements.

Modification Item 1 of 1: MB001 - LCC20 Electrical Improvements.

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: TBD ⁽⁵⁾				Manufacturer Location: >TBD			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 6			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		May 2014					
Delivery Dates		Nov 2014					

Installation Information

Method of Implementation: AIT : Installation Name: LCC20 Electrical Improvement

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	- / -	- / -	1 / 7.000	1 / 5.499	- / -	1 / 5.499	- / -	- / -	- / -	- / -	- / -	2 / 12.499
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	1 / 7.000	1 / 5.499	- / -	1 / 5.499	- / -	- / -	- / -	- / -	- / -	2 / 12.499

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Out	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2

Footnotes:

⁽⁴⁾ Emergency Diesel Generators procured in FY14 require approximately 4 month land based government testing post delivery. Procurement of two Emergency Diesel Generators (6 month PLT) is in FY14 with install in FY14 and FY15.

⁽⁵⁾ Approximate 4 month land based government testing.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program				Modification Number / Title: 5 / MB001 - LCC20 Propulsion Items			

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>)	0.000	-	-	-	-	-	-	2.050	2.370	2.391	-	6.811
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	0.000	-	-	-	-	-	-	2.050	2.370	2.391	-	6.811
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	0.000	-	-	-	-	-	-	2.050	2.370	2.391	-	6.811
(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:

Procurement and installation of upgrades to USS MOUNT WHITNEY (LCC 20) Propulsion System in support of the Extended Service Life Program. Procures Ship Steering System.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program					Modification Number / Title: 5 / MB001 - LCC20 Propulsion Items				
Models of Systems Affected: LCC20 Propulsion Items			Modification Type: [No Modification Type Specified]					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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> MB001 - LCC20 Propulsion Items													
B Kits													
Recurring													
1.1.1) LCC20 Propulsion Items - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.000	1 / 1.000	- / -	- / -	2 / 2.000	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000	- / 1.000	- / -	- / -	- / 2.000	
<i>Subtotal: MB001 - LCC20 Propulsion Items</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.000	1 / 1.000	- / -	- / -	2 / 2.000	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000	- / 1.000	- / -	- / -	- / 2.000	
Installation													
<i>Modification Item 1 of 1:</i> MB001 - LCC20 Propulsion Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.050	- / 1.370	- / 2.391	- / -	- / 4.811	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.050	- / 1.370	- / 2.391	- / -	- / 4.811	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	2.050	2.370	2.391	-	6.811	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy											Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9											P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program											Modification Number / Title: 5 / MB001 - LCC20 Propulsion Items													
Modification Item 1 of 1: MB001 - LCC20 Propulsion Items																																			
Modification Item MDAP/MAIS Code:																																			
Manufacturer Information																																			
Manufacturer Name: Erie Forge													Manufacturer Location: >Erie, PA																						
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																					Dec 2016					Dec 2017									
Delivery Dates																					Dec 2017					Dec 2018									
Installation Information																																			
Method of Implementation: AIT : Installation Name: LCC20 Propulsion Items																																			
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																						
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																				
Prior Years		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.050	1 / 1.170	- / -	- / -	1 / 2.220																					
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	1 / 2.391	- / -	- / -	1 / 2.591																					
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																					
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.050	1 / 1.370	1 / 2.391	- / -	2 / 4.811																					
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	-	-	-	-	2			
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	2			

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program	Modification Number / Title: 3 / MB001 - LCC 19 Air Search Radar

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>)	0.000	-	12.000	1.000	-	1.000	3.752	-	-	-	-	16.752
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	12.000	1.000	-	1.000	3.752	-	-	-	-	16.752
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	12.000	1.000	-	1.000	3.752	-	-	-	-	16.752
(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:

Procurement and installation of upgrade to USS BLUE RIDGE (LCC 19) combat system air search capability in support of the Extended Service Life Program. Provides procurement and installation of an air search radar.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program					Modification Number / Title: 3 / MB001 - LCC 19 Air Search Radar				
Models of Systems Affected: LCC 19 Air Search Radar				Modification Type: [No Modification Type Specified]				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: MB001 - LCC 19 Air Search Radar													
B Kits													
Recurring													
1.1.1) LCC 19 Air Search Radar - NonOrganic	- / -	- / -	1 / 12.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 12.000	
Subtotal: Recurring	- / 0.000	- / -	- / 12.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.000	
Subtotal: MB001 - LCC 19 Air Search Radar	- / -	- / -	1 / 12.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 12.000	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 12.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.000	
Installation													
Modification Item 1 of 1: MB001 - LCC 19 Air Search Radar	- / 0.000	- / -	- / -	- / 1.000	- / -	- / 1.000	- / 3.752	- / -	- / -	- / -	- / -	- / 4.752	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 1.000	- / -	- / 1.000	- / 3.752	- / -	- / -	- / -	- / -	- / 4.752	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	12.000	1.000	-	1.000	3.752	-	-	-	-	16.752	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0934 / LCC 19/20 Extended Service Life Program										Modification Number / Title: 3 / MB001 - LCC 19 Air Search Radar											
Modification Item 1 of 1: MB001 - LCC 19 Air Search Radar																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: TBD													Manufacturer Location: >TBD																		
Administrative Leadtime (in Months): 2													Production Leadtime (in Months): 30																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates						Mar 2014																									
Delivery Dates						Jul 2016																									
Installation Information																															
Method of Implementation: AIT : Installation Name: LCC 19 Air Search Radar																															
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		- / -		- / -		- / -		- / 1.000		- / -		- / 1.000		1 / 3.752		- / -		- / -		- / -		- / -		- / -		1 / 4.752					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		- / 1.000		- / -		- / 1.000		1 / 3.752		- / -		- / -		- / -		- / -		- / -		1 / 4.752					
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

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment						P-1 Line Item Number / Title: 0935 / Pollution Control 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 [#]	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>)	369.018	16.907	17.514	12.607	-	12.607	16.707	25.309	26.402	26.232	-	510.696
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	369.018	16.907	17.514	12.607	-	12.607	16.707	25.309	26.402	26.232	-	510.696
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	369.018	16.907	17.514	12.607	-	12.607	16.707	25.309	26.402	26.232	-	510.696
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	0.110	0.235	0.320	-	0.320	0.180	0.110	0.088	0.019	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:												
POLLUTION CONTROL SYSTEMS/EQUIPMENT: This item provides funds for the procurement of pollution control systems and equipment that are required by Navy ships in order for them to comply with international regulations, federal laws, DOD Directives and Navy environmental protection regulations. These regulations, laws and directives restrict the discharge of oily waste, sewage, solid waste, plastic waste, medical waste and hazardous waste. Most of these applicable regulations require Navy ships to comply by fixed deadlines. Failure to comply carries potential personal, civil, and criminal liability, and significantly imposes constraints on the operational capabilities of Navy ships. In some instances, the compliance schedule has required an acceleration of the normal schedules in the procurement process.												
SHORE BASED POLLUTION EQUIPMENT - (Logistics)												
The Shorebased funds provide for equipment required to clean up Navy oil spills on the open sea as required by the Federal Waste Pollution Control Act - Public Law 92-500. The law created a National Oil and Hazardous Substance Pollution Contingency Plan, and designates the Department of Defense as one of the primary agencies responsible for promotion of effective operation of the plan. The Supervisor of Salvage is assigned the responsibility to provide technical expertise, resources, and equipment for cleaning Navy-originated spills of oil and other hazardous material in coastal waters or the open sea. Major items of procurement are:												
[P40A / HF040 FIELD SUPPORT SYSTEMS]: HF040 - FIELD SUPPORT SYSTEMS												
These systems include those auxiliary support systems required to keep the oil spill responders operating in the field during an emergency response. These systems include various equipment and vessels required for command and control, communication, supply, personnel transfer, global positioning system (GPS) asset tracking, repair, towing, deployment, demobilization, and other ancillary requirements of an oil spill response operation. All of these systems range greatly in unit cost depending on which system is procured (i.e., satellite phone versus vessels/boats).												
[P40A / HF051 OIL BOOM SYSTEMS]: HF051 - OIL BOOM SYSTEMS												
These systems consist of inflatable or hard oil booms of various sizes (18 inch, 26 inch, 42 inch) based on the federal requirements for Oil Spill Response Organizations (OSROs), which range in unit cost based on size and type. These systems include all associated equipment required to store, inflate, deploy, recover, and repair the boom. All inflatable boom systems also include shoreline transition booms to cross the beach/breaker area. The systems are packaged in 8' x 8' x 20' shipping containers.												
[P40A / HF055 SALVAGE SUPPORT SYSTEMS]: HF055 - SALVAGE SUPPORT SYSTEMS												
These systems are a collection of small, special-purpose skimmers, dispersant spray systems, containment booms, shoreline transition booms, transfer pumps, storage tanks, sorbents, and ancillary equipment intended as a stand-alone response package for small, salvage-related spills inside and adjacent to ships or inland locations, or special remote tanker offloading locations.												

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment		P-1 Line Item Number / Title: 0935 / Pollution Control Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
[P40A / HF056 EQUIPMENT CLEAN-UP SYSTEMS]: HF056 - EQUIPMENT CLEAN-UP SYSTEMS These systems provide a full array of tools and materials required to perform the extensive decontamination needed for response assets and personnel during an operation and prior to demobilization once a spill has concluded. [P40A / HF057 OIL HANDLING SYSTEMS]: HF057 - OIL HANDLING SYSTEMS Oil handling systems are used to assist in disposal of removed oil and debris. These systems include: vacuum systems, floating hose systems, temporary oil storage bladders, transfer pumping systems, debris handling systems including portable crane systems, incinerator systems, oil/water separator systems, steam generator systems, water injection systems and other material transfer systems. These different systems can range greatly in unit cost based on whether commercial off-the-shelf items or custom built. [P40A / HF062 LIGHTERING SYSTEMS]: HF062 - LIGHTERING SYSTEMS These systems allow for lightering of oil from aboard ships whose transfer systems are inoperative. Various pump sizes and extraction tools selected can pump oil product in almost any emergency scenario. These pumping systems are designed to move large quantities of oil or other hazardous substances, including oil that has been weathered, emulsified, or mixed with other contaminants and become thick and viscous. [P40A / HF063 VOSS SKIMMER SYSTEMS]: HF063 - VESSEL OF OPPORTUNITY (VOSS) SKIMMING SYSTEMS The VOSS is an oil skimming system which can be used aboard any vessel with enough deck space to support the operating equipment. It allows for skimming capability in situations where traditional skimmers may not be practicable, such as offshore or in extremely inclement weather. These systems include the ancillary support equipment required to maintain skimmer operations onboard a vessel for an extended period of time. [P40A / HF067 - RAPID DEPLOYMENT SKIMMER SYSTEMS]: HF067 - RAPID DEPLOYMENT SKIMMER SYSTEMS These systems are self-propelled skimmers designed for near-shore and open ocean environments and are used in conjunction with containment boom for mechanical recovery of oil on the water. They are designed to be rapidly transportable to the scene of an oil spill. [P3A / HF024 CFC-114 (R-114) AC CONVERSION]: HF024 - CFC CONVERSION PROGRAM The production of chlorofluorocarbon(CFC)-based refrigerants (including CFC-12 and CFC-114) was prohibited after 31 DEC 95 by the Clean Air Act of 1990. Presidential Executive Order 12843 of 21 APR 93 calls for federal agencies to "maximize the use of safe alternatives to ozone-depleting substances." OPNAVINST 5090.1C dated 30 OCT 2007 further requires to "reduce the use and emissions of (ozone-depleting substances) to the lowest achievable level." The Navy is currently dependent on CFC-based refrigerants for the mission-critical cooling of (1) vital electronics and weapon systems, (2) food and medical stowage, and (3) inhabited spaces aboard surface ships and submarines. To counter the immediate threat of production cessation on uninterrupted Fleet operations, DoD directed the Defense Logistics Agency to establish a stockpile of CFC-based refrigerants. The stockpile was sized to support Fleet operations until the last CFC-based systems are retired or converted to ozone-friendly refrigerants. This program procures and installs conversion kits on existing CFC-12 Refrigeration and CFC-114 Air-Conditioning (A/C) plants onboard surface ships and submarines. The CFC-12 conversion programs began in FY 94 and completed FY 10, with the exception of two units that are planned for installation beyond FY 17. The CFC-114 conversion programs began in FY 99 and are expected to complete in FY 18. Inventory Objective for CFC-12 Refrigeration is 560, and the inventory objective for CFC-114 is 402. Total program cost is estimated at \$425M. [P3A / HF024 CFC-114 (R-114) AC CONVERSION]: HF5IN - INSTALLATION OF EQUIPMENT Funding is for installation of equipment for the Fleet Modernization Program installations. HF6IN - INSTALLATION OF EQUIPMENT Funding is for installation of equipment for the Fleet Modernization Program installations.		

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0935 / Pollution Control Equipment											
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:								Other Related Program Elements:							
Exhibits Schedule			Prior Years			FY 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)	
Pollution Control Equipment	P-40a		-	-	67.529	-	-	5.142	-	-	5.100	-	-	4.998	-	-	-	-	-	4.998	
P-3a - 1 / HF024 CFC-114 (R-114) AC CONVERSION	P-3a		-	-	301.489	-	-	11.765	-	-	12.414	-	-	7.609	-	-	-	-	-	7.609	
Total Gross/Weapon System Cost			-	-	369.018	-	-	16.907	-	-	17.514	-	-	12.607	-	-	-	-	-	12.607	
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			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)	
Pollution Control Equipment	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 1 / HF024 CFC-114 (R-114) AC CONVERSION	P-3a		-	-	8.093	-	-	6.313	-	-	8.384	-	-	5.516	-	-	-	-	-	361.583	
Total Gross/Weapon System Cost			-	-	16.707	-	-	25.309	-	-	26.402	-	-	26.232	-	-	-	-	-	510.696	
*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.																					

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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 / 01 / 9									P-1 Line Item Number / Title: 0935 / Pollution Control Equipment						Aggregated Items Title: Pollution Control 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	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) LOGISTICS																				
1.1) HF040 FIELD SUPPORT SYSTEMS	A		276,333.33	33	9.119	291,000.00	5	1.455	341,500.00	4	1.366	346,500.00	6	2.079	-	-	-	346,500.00	6	2.079
1.2) HF051 OIL BOOM SYSTEMS	A		379,137.93	29	10.995	-	-	-	-	-	-	71,500.00	10	0.715	-	-	-	71,500.00	10	0.715
1.3) HF055 SALVAGE SUPPORT SYSTEMS	A		397,000.00	4	1.588	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) HF056 EQUIPMENT CLEAN-UP SYSTEMS	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) HF057 OIL HANDLING SYSTEMS	A		290,142.86	7	2.031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) HF062 LIGHTERING SYSTEMS	A		233,000.00	7	1.631	337,000.00	2	0.674	-	-	-	384,000.00	2	0.768	-	-	-	384,000.00	2	0.768
1.7) HF063 VOSS SKIMMER SYSTEMS	A		313,555.56	9	2.822	300,000.00	3	0.900	-	-	-	-	-	-	-	-	-	-	-	-
1.8) HF067 - RAPID DEPLOYMENT SKIMMER SYSTEMS	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) LOGISTICS			-	-	28.186	-	-	3.029	-	-	1.366	-	-	3.562	-	-	-	-	-	3.562
2) EXPEDITIONARY WARFARE																				
2.1) HF031 POLLUTION CONTROL EQUIPMENT FIELD CHANGES	A		-	-	7.038	-	-	0.288	-	-	2.119	-	-	-	-	-	-	-	-	-
2.2) HF830 PRODUCTION ENGINEERING	A		-	-	2.997	-	-	0.455	-	-	-	-	-	0.077	-	-	-	-	-	0.077
Subtotal: 2) EXPEDITIONARY WARFARE			-	-	10.035	-	-	0.743	-	-	2.119	-	-	0.077	-	-	-	-	-	0.077
3) SURFACE WARFARE																				
3.1) HF031 POLLUTION CONTROL EQUIPMENT FIELD CHANGES	A		-	-	20.908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) HF830 PRODUCTION ENGINEERING	A		-	-	6.545	-	-	0.225	-	-	0.631	-	-	0.286	-	-	-	-	-	0.286
Subtotal: 3) SURFACE WARFARE			-	-	27.453	-	-	0.225	-	-	0.631	-	-	0.286	-	-	-	-	-	0.286
4) AIR WARFARE																				

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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 / 01 / 9						P-1 Line Item Number / Title: 0935 / Pollution Control Equipment									Aggregated Items Title: Pollution Control 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
4.1) HF031 POLLUTION CONTROL EQUIPMENT FIELD CHANGES	A		-	-	1.855	-	-	1.145	-	-	0.984	-	-	1.073	-	-	-	-	-	1.073
Subtotal: 4) A/R WARFARE			-	-	1.855	-	-	1.145	-	-	0.984	-	-	1.073	-	-	-	-	-	1.073
Total			-	-	67.529	-	-	5.142	-	-	5.100	-	-	4.998	-	-	-	-	-	4.998

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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 / 01 / 9								P-1 Line Item Number / Title: 0935 / Pollution Control Equipment							Aggregated Items Title: Pollution Control Equipment						
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) LOGISTICS																					
1.1) HF040 FIELD SUPPORT SYSTEMS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2) HF051 OIL BOOM SYSTEMS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.3) HF055 SALVAGE SUPPORT SYSTEMS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.4) HF056 EQUIPMENT CLEAN-UP SYSTEMS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.5) HF057 OIL HANDLING SYSTEMS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.6) HF062 LIGHTERING SYSTEMS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.7) HF063 VOSS SKIMMER SYSTEMS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.8) HF067 - RAPID DEPLOYMENT SKIMMER SYSTEMS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1) LOGISTICS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2) EXPEDITIONARY WARFARE																					
2.1) HF031 POLLUTION CONTROL EQUIPMENT FIELD CHANGES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.2) HF830 PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2) EXPEDITIONARY WARFARE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3) SURFACE WARFARE																					
3.1) HF031 POLLUTION CONTROL EQUIPMENT FIELD CHANGES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.2) HF830 PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 3) SURFACE WARFARE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4) AIR WARFARE																					

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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 / 01 / 9						P-1 Line Item Number / Title: 0935 / Pollution Control Equipment									Aggregated Items Title: Pollution Control Equipment					
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)
4.1) HF031 POLLUTION CONTROL EQUIPMENT FIELD CHANGES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 4) AIR WARFARE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0935 / Pollution Control Equipment	Modification Number / Title: 1 / HF024 CFC-114 (R-114) AC CONVERSION

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>)	301.489	11.765	12.414	7.609	-	7.609	8.093	6.313	8.384	5.516	-	361.583
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	301.489	11.765	12.414	7.609	-	7.609	8.093	6.313	8.384	5.516	-	361.583
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	301.489	11.765	12.414	7.609	-	7.609	8.093	6.313	8.384	5.516	-	361.583
(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:

The Navy is currently dependent on CFC-based refrigerants for the mission-critical cooling of (1) vital electronics and weapon systems, (2) food and medical stowage, and (3) inhabited spaces aboard surface ships and submarines. To counter the immediate threat of production cessation on uninterrupted Fleet operations, DoD directed the Defense Logistics Agency to establish a stockpile of CFC-based refrigerants. The stockpile was sized to support Fleet operations until the last CFC-based systems are retired or converted to ozone-friendly refrigerants. This program procures and installs conversion kits on existing CFC-12 Refrigeration and CFC-114 Air-Conditioning (A/C) plants onboard surface ships and submarines. The CFC-114 conversion programs began in FY 99 and are expected to complete in FY 18. Inventory Objective for CFC-12 Refrigeration is 560, and the inventory objective for CFC-114 is 402.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0935 / Pollution Control Equipment				Modification Number / Title: 1 / HF024 CFC-114 (R-114) AC CONVERSION					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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: HF024 CFC-114 (R-114) AC CONVERSION													
B Kits													
Recurring													
1.1.1) HF024 CFC-114 (R-114) AC CONVERSION - NonOrganic	354 / 133.102	11 / 6.787	8 / 4.938	8 / 4.923	- / -	8 / 4.923	6 / 4.619	2 / 1.414	9 / 6.691	- / -	4 / -	402 / 162.474	
Subtotal: Recurring	- / 133.102	- / 6.787	- / 4.938	- / 4.923	- / -	- / 4.923	- / 4.619	- / 1.414	- / 6.691	- / -	- / -	- / 162.474	
Subtotal: HF024 CFC-114 (R-114) AC CONVERSION	354 / 133.102	11 / 6.787	8 / 4.938	8 / 4.923	- / -	8 / 4.923	6 / 4.619	2 / 1.414	9 / 6.691	- / -	4 / -	402 / 162.474	
Subtotal: Procurement, All Modification Items	- / 133.102	- / 6.787	- / 4.938	- / 4.923	- / -	- / 4.923	- / 4.619	- / 1.414	- / 6.691	- / -	- / -	- / 162.474	
Installation													
Modification Item 1 of 1: HF024 CFC-114 (R-114) AC CONVERSION	- / 168.387	- / 4.978	- / 7.476	- / 2.686	- / -	- / 2.686	- / 3.474	- / 4.899	- / 1.693	- / 5.516	- / -	- / 199.109	
Subtotal: Installation	- / 168.387	- / 4.978	- / 7.476	- / 2.686	- / -	- / 2.686	- / 3.474	- / 4.899	- / 1.693	- / 5.516	- / -	- / 199.109	
Total													
Total Cost (Procurement + Support + Installation)	301.489	11.765	12.414	7.609	-	7.609	8.093	6.313	8.384	5.516	-	361.583	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0935 / Pollution Control Equipment				Modification Number / Title: 1 / HF024 CFC-114 (R-114) AC CONVERSION																							
Modification Item 1 of 1: HF024 CFC-114 (R-114) AC CONVERSION																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: YORK INTERNATIONAL							Manufacturer Location: >PA																								
Administrative Leadtime (in Months): 2							Production Leadtime (in Months): 12																								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																								
Contract Dates	Apr 2013	Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018																									
Delivery Dates	Apr 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019																									
Installation Information																															
Method of Implementation: AIT : Installation Name: HF024 CFC-114 (R-114) AC CONVERSION																															
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)	Qty (Each) / Total Cost (\$ M)																		
Prior Years	344 / 168.387	8 / 4.978	2 / 0.835	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	354 / 174.200																			
FY 2013	- / -	- / -	9 / 6.641	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / -	11 / 6.641																			
FY 2014	- / -	- / -	- / -	6 / 2.686	- / -	6 / 2.686	2 / 1.280	- / -	- / -	- / -	- / -	8 / 3.966																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	4 / 2.194	4 / 2.689	- / -	- / -	- / -	8 / 4.883																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 2.210	2 / 1.693	- / -	- / -	6 / 3.903																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.226	- / -	2 / 1.226																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 4.290	2 / -	9 / 4.290																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / -	4 / -																			
Total	344 / 168.387	8 / 4.978	11 / 7.476	6 / 2.686	- / -	6 / 2.686	6 / 3.474	8 / 4.899	2 / 1.693	9 / 5.516	8 / -	402 / 199.109																			
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	344	-	4	4	-	-	2	5	4	-	2	4	-	-	2	2	2	-	6	2	-	-	2	-	-	-	4	-	5	8	402
Out	344	-	-	-	-	4	4	-	-	6	4	7	-	-	2	-	2	2	4	2	2	-	-	2	-	-	-	2	2	13	402

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment							P-1 Line Item Number / Title: 0941 / Submarine Support Equipment					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	64.118	22.764	8.678	16.492	-	16.492	5.830	5.516	2.450	2.780	-	128.628
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	64.118	22.764	8.678	16.492	-	16.492	5.830	5.516	2.450	2.780	-	128.628
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	64.118	22.764	8.678	16.492	-	16.492	5.830	5.516	2.450	2.780	-	128.628
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
# The FY 2015 OCO Request will be submitted at a later date.												
Description: The Submarine Support Equipment budget provides funding for equipment technical refresh and upgrades that consist of hardware, software, system engineering, integrated logistics support, system test and evaluation, training, data, installation assistance teams and program management. This funding also procures equipment and material required to implement the military high priority Submarine Silencing Program for operating nuclear submarines. This equipment technical refreshes and upgrades are not supported by other NAVSEA program offices and support SSN/SSBN/SSGN Class Submarines and land based laboratories/facilities.												
PB51N FLEET MODERNIZATION PROGRAM (FMP) INSTALLATION Funds are for the installation of Warm Water Operation, SHIPALT 4347K, on SSN 688 Class submarines; SSTG Governors on SSN 688, SSN 21 and SSBN/SSGN 726 Class submarines and a replacement SEAWOLF Class Ship Control Processor.												
[P40A / PB001 Seawolf Component Upgrades]: PB001 Seawolf Component Upgrades - Provides funding to purchase tooling required for fabrication of the Bow Dome, fabrication of a new Bow Dome, machining and inspection, storage and installation and technical support from Navy labs.												
[P40A / PB004 Facilities/Lab Upgrades]: PB004 ACOUSTIC RANGE EQUIPMENT Procures equipment and materials required to implement and support the military high priority Submarine Silencing Program for operating nuclear submarines. TYCOMs have consistently rated the conduct of noise trials as a high priority funding requirement. The requirements for this program are identified in Chief of Naval Operations (CNO) Specific Operational Requirements (SOR) 46-28 and Naval Sea Systems Instruction (NAVSEAINST) C9073.2B. This is the only program in place to procure equipment for the purpose of measuring, monitoring, assessing and improving the detection capability and reducing the detectability of deployed submarines. The equipment is used on test vessels, listening platforms and at the laboratories. This program replaces or refurbishes broken or obsolete acquisition and analysis hardware and software used to ensure ship's safety; and the execution and completion of acoustic trials objectives identified in CNO SOR 46-28 (assessment of ship's acoustic posture, etc.) and NAVSEAINST C9073.2B (Acoustic Surveys Policy). These refurbishments and replacements are especially critical in order to maintain the technological advances recently made in the area of acoustic data acquisition under the Acoustic Measurement Facilities Improvement Program (AMFIP) and to utilize the South Tongue of the Ocean Acoustic Facility (STAFAC). Specific items include hydrophone arrays, towed arrays, ranging and tracking systems, on-board array electronics, noise sources, shore power cables, data fiber optic cables, data analysis systems, workstations, data storage and retrieval, communications systems, analyzers, tape recorders, accelerometers, monitors, etc.												
[P3A - 2 / PB008 SSTG GOVERNORS SEAWOLF CLASS AND MOD 25 PROCUREMENT]: PB008 SHIP SERVICE TURBINE GENERATOR (SSTG) GOVERNORS												

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0941 / Submarine Support Equipment									

ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:					Other Related Program Elements: Procures new SSTG governor control systems to replace obsolete components with industry supported components on SSN688/SSBN726/SSN21 Class submarines to meet current service life. All development funds budgeted and previously spent do not include MOD25 efforts.									

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)
Submarine Support Equipment	P-40a		-	-	64.118	-	-	22.764	-	-	6.746	-	-	9.953	-	-	-	-	-	9.953
P-3a - 1 / PB007 SSN21 CL SC PROCESSING UNIT	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 2 / PB008 SSTG GOVERNORS SEAWOLF CLASS AND MOD 25 PROCUREMENT	P-3a		-	-	0.000	-	-	-	-	-	1.932	-	-	-	-	-	-	-	-	-
P-3a - 3 / PB004 ACOUSTIC ARRAY	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	6.539	-	-	-	-	-	6.539
Total Gross/Weapon System Cost			-	-	64.118	-	-	22.764	-	-	8.678	-	-	16.492	-	-	-	-	-	16.492

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)
Submarine Support Equipment	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / PB007 SSN21 CL SC PROCESSING UNIT	P-3a		-	-	-	-	-	1.950	-	-	-	-	-	-	-	-	-	-	-	1.950
P-3a - 2 / PB008 SSTG GOVERNORS SEAWOLF CLASS AND MOD 25 PROCUREMENT	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.932
P-3a - 3 / PB004 ACOUSTIC ARRAY	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.539
Total Gross/Weapon System Cost			-	-	5.830	-	-	5.516	-	-	2.450	-	-	2.780	-	-	-	-	-	128.628

*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.

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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 / 01 / 9									P-1 Line Item Number / Title: 0941 / Submarine Support Equipment							Aggregated Items Title: Submarine 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	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) PB001 Seawolf Component Upgrades																				
1.1) Seawolf Propulsor Components	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) Bow Dome	A		-	-	-	-	-	11.439	-	-	-	-	-	-	-	-	-	-	-	-
1.3) Seawolf Component Upgrades	A		-	-	2.883	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) PB001 Seawolf Component Upgrades			-	-	2.883	-	-	11.439	-	-	-	-	-	-	-	-	-	-	-	-
2) PB004 Facilities/Lab Upgrades																				
2.1) Acoustic Range Replacement Equipment	A		-	-	42.380	-	-	5.537	-	-	2.689	-	-	1.142	-	-	-	-	-	1.142
Subtotal: 2) PB004 Facilities/Lab Upgrades			-	-	42.380	-	-	5.537	-	-	2.689	-	-	1.142	-	-	-	-	-	1.142
3) PB007 SSN/SSBN HM&E Threshold Modernization																				
3.1) SSN 21 CL SC Proc Design & Dev	A		-	-	6.909	-	-	4.148	-	-	4.057	-	-	8.811	-	-	-	-	-	8.811
Subtotal: 3) PB007 SSN/SSBN HM&E Threshold Modernization			-	-	6.909	-	-	4.148	-	-	4.057	-	-	8.811	-	-	-	-	-	8.811
4) PB008 SSTG Governors																				
4.1) Design and Shipalt Development Ohio/LA/Seawolf Class	A		-	-	11.946	-	-	1.640	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) PB008 SSTG Governors			-	-	11.946	-	-	1.640	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	64.118	-	-	22.764	-	-	6.746	-	-	9.953	-	-	-	-	-	9.953

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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:						P-1 Line Item Number / Title:							Aggregated Items Title:							
1810N / 01 / 9						0941 / Submarine Support Equipment							Submarine Support Equipment							
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) PB001 Seawolf Component Upgrades																				
1.1) Seawolf Propulsor Components	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) Bow Dome	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) Seawolf Component Upgrades	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) PB001 Seawolf Component Upgrades			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) PB004 Facilities/Lab Upgrades																				
2.1) Acoustic Range Replacement Equipment	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) PB004 Facilities/Lab Upgrades			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) PB007 SSN/SSBN HM&E Threshold Modernization																				
3.1) SSN 21 CL SC Proc Design & Dev	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) PB007 SSN/SSBN HM&E Threshold Modernization			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) PB008 SSTG Governors																				
4.1) Design and Shipalt Development Ohio/LA/Seawolf Class	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) PB008 SSTG Governors			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0941 / Submarine Support Equipment	Modification Number / Title: 1 / PB007 SSN21 CL SC PROCESSING UNIT

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>	0.000	-	-	-	-	-	-	1.950	-	-	-	1.950
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	-	-	-	-	1.950	-	-	-	1.950
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	-	-	-	-	1.950	-	-	-	1.950
<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:

SHIPALT WILL REPLACE SSN21 CLASS SUBMARINE SHIP CONTROL PROCESSING UNIT.
THE SHIP CONTROL PROCESSORS ARE OBSOLETE AND CONTAIN ELECTRONIC COMPONENTS THAT ARE NO LONGER SUPPORTED BY INDUSTRY.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9					P-1 Line Item Number / Title: 0941 / Submarine Support Equipment					Modification Number / Title: 1 / PB007 SSN21 CL SC PROCESSING UNIT			
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> PB007 SSN21 CL SC PROCESSING UNIT													
B Kits													
Recurring													
1.1.1) SSN 21 CL SHIP CONTROL PROCESSING UNIT - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.600	- / -	- / -	- / -	2 / 1.600	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.600	- / -	- / -	- / -	- / 1.600	
<i>Subtotal: PB007 SSN21 CL SC PROCESSING UNIT</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.600	- / -	- / -	- / -	2 / 1.600	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.600	- / -	- / -	- / -	- / 1.600	
Support (All Modification Items)													
2.1) DSA	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.020	- / -	- / -	- / -	- / 0.020	
<i>Subtotal: Support</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.020	- / -	- / -	- / -	- / 0.020	
Installation													
<i>Modification Item 1 of 1:</i> PB007 SSN21 CL SC PROCESSING UNIT	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.330	- / -	- / -	- / -	- / 0.330	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.330	- / -	- / -	- / -	- / 0.330	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	1.950	-	-	-	1.950	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0941 / Submarine Support Equipment	Modification Number / Title: 1 / PB007 SSN21 CL SC PROCESSING UNIT

Modification Item 1 of 1: PB007 SSN21 CL SC PROCESSING UNIT

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NUWC Neport	Manufacturer Location: >Newport, RI
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 4

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

Installation Information

Method of Implementation: AIT : Installation Name: SSN 21 CL SHIP CONTROL PROCESSING UNIT

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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.330	- / -	- / -	- / -	2 / 0.330
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.330	- / -	- / -	- / -	2 / 0.330

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
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	2

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0941 / Submarine Support Equipment	Modification Number / Title: 2 / PB008 SSTG GOVERNORS SEAWOLF CLASS AND MOD 25 PROCUREMENT

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>	0.000	-	1.932	-	-	-	-	-	-	-	-	1.932
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	1.932	-	-	-	-	-	-	-	-	1.932
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	1.932	-	-	-	-	-	-	-	-	1.932
<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:

SHIPALT WILL REPLACE SSTG GOVERNORS IN SEAWOLF CLASS AND MOD25 LOS ANGELES CLASS SUBMARINES.
THE SSTG GOVERNORS IN THESE SUBMARINES ARE OBSOLETE AND CONTAIN ELECTRONIC COMPONENTS THAT ARE NO LONGER SUPPORTED BY INDUSTRY.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0941 / Submarine Support Equipment				Modification Number / Title: 2 / PB008 SSTG GOVERNORS SEAWOLF CLASS AND MOD 25 PROCUREMENT					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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: PB008 SSTG GOVERNORS SEAWOLF CLASS AND MOD 25 PROCUREMENT													
B Kits													
Recurring													
1.1.1) SSTG GOVERNORS SEAWOLF CLASS AND MOD 25 PROCUREMENT - NonOrganic	- / -	- / -	2 / 1.424	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.424	
Subtotal: Recurring	- / 0.000	- / -	- / 1.424	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.424	
Subtotal: PB008 SSTG GOVERNORS SEAWOLF CLASS AND MOD 25 PROCUREMENT	- / -	- / -	2 / 1.424	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.424	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 1.424	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.424	
Support (All Modification Items)													
2.1) DSA	- / -	- / -	- / 0.102	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.102	
Subtotal: Support	- / 0.000	- / -	- / 0.102	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.102	
Installation													
Modification Item 1 of 1: PB008 SSTG GOVERNORS SEAWOLF CLASS AND MOD 25 PROCUREMENT	- / 0.000	- / -	- / 0.406	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.406	
Subtotal: Installation	- / 0.000	- / -	- / 0.406	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.406	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	1.932	-	-	-	-	-	-	-	-	1.932	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0941 / Submarine Support Equipment	Modification Number / Title: 2 / PB008 SSTG GOVERNORS SEAWOLF CLASS AND MOD 25 PROCUREMENT

Modification Item 1 of 1: PB008 SSTG GOVERNORS SEAWOLF CLASS AND MOD 25 PROCUREMENT

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NSWC SSES Manufacturer Location: >unk

Administrative Leadtime (in Months): 0 Production Leadtime (in Months): 4

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

Installation Information

Method of Implementation: [none specified] : Installation Name: SSTG GOVERNORS SEAWOLF CLASS AND MOD 25 PROCUREMENT

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	- / -	- / -	2 / 0.406	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.406
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	2 / 0.406	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.406

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
Out	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0941 / Submarine Support Equipment	Modification Number / Title: 3 / PB004 ACOUSTIC ARRAY

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>	0.000	-	-	6.539	-	6.539	-	-	-	-	-	6.539
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	6.539	-	6.539	-	-	-	-	-	6.539
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	6.539	-	6.539	-	-	-	-	-	6.539
<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:

Funds provide for one submerged North Acoustic Array procurement and installation at STAFAC.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0941 / Submarine Support Equipment				Modification Number / Title: 3 / PB004 ACOUSTIC ARRAY					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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: PB004 ACOUSTIC ARRAY													
B Kits													
Non-Recurring													
1.1.1) Acoustic Array - NonOrganic													
- / -													
Subtotal: Non-Recurring													
- / 0.000													
Subtotal: PB004 ACOUSTIC ARRAY													
- / -													
Subtotal: Procurement, All Modification Items													
- / 0.000													
Installation													
Modification Item 1 of 1: PB004 ACOUSTIC ARRAY													
Subtotal: Installation													
- / 0.000													
Total													
Total Cost (Procurement + Support + Installation)													
0.000 - - 6.539 - 6.539 - - - - 6.539													

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Exhibit P-3a, Individual Modification: PB 2015 Navy											Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9											P-1 Line Item Number / Title: 0941 / Submarine Support Equipment											Modification Number / Title: 3 / PB004 ACOUSTIC ARRAY										
Modification Item 1 of 1: PB004 ACOUSTIC ARRAY																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: NSWC CD														Manufacturer Location: >BETHESDA, MD																		
Administrative Leadtime (in Months): 0														Production Leadtime (in Months): 5																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates										Dec 2014																						
Delivery Dates										May 2015																						
Installation Information																																
Method of Implementation: [none specified] : Installation Name: Acoustic Array																																
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		- / -		- / -		- / -		1 / 3.078		- / -		1 / 3.078		- / -		- / -		- / -		- / -		- / -		- / -		1 / 3.078						
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		- / -		- / -		- / -		1 / 3.078		- / -		1 / 3.078		- / -		- / -		- / -		- / -		- / -		- / -		1 / 3.078						
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	

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment							P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:					Other Related Program Elements: 0604558N, 0204281N			
Line Item MDAP/MAIS Code: 516			Item MDAP/MAIS Code(s):									
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>)	1,022.530	70.995	69.241	74.129	-	74.129	56.775	46.593	65.738	79.903	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,022.530	70.995	69.241	74.129	-	74.129	56.775	46.593	65.738	79.903	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,022.530	70.995	69.241	74.129	-	74.129	56.775	46.593	65.738	79.903	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>)	-	-	2.578	1.467	-	1.467	1.865	2.198	1.939	1.891	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: This provides a wide range of material required to operate, test, support and maintain the viability of VIRGINIA SSN-774 Class Submarines. The "Major Shore Spares" component includes rotatable pool and insurance spares. Propulsor rotatable pool assets support planned maintenance during scheduled availabilities by decreasing equipment turn-around time/availability duration. Rotatable pool program equipment includes the high pressure air compressor, various pump/motor assemblies, radar mast, ventilation fans and Thin Line Towed Array components and other components. Insurance spares (which include a main propulsion unit, and ship service turbine generator) support unplanned equipment replacement due to casualty or emergent maintenance requirements. Insurance spares availability reduces the likelihood an operating ship will be materially impaired for an undetermined period or the construction schedule extended. This funding line also includes upgrading the afloat acoustic system required to conduct TECHEVAL/OPEVAL satisfactorily, efficiently and with minimal risk of equipment failure. Some Test and Evaluation (T&E) Measuring Equipment upgrades to underwater acoustic ranges are necessary to support class acoustic profiles T&E. Also included in the Vertical Launch System (VLS) Peculiar Support Equipment (PSE) are primarily All-Up Round Simulators (AURS)/All-Up Round (AUR) Ballast Cans necessary to conduct TECHEVAL/OPEVAL and provide ballast for ship operation. The wireless LAN provides a shipwide (forward of the reactor compartment) intranet (NIPRNET) that significantly enhances the quality of the work by facilitating electronic correspondence, personnel data management, collaborative services, interactive whiteboard, multi-user chat and access to these sites: FTMP/NTMP, CHCS, prescriptions, MYPAY-DFAS, EPMAC, BUPERS, EMAIL, FTSC/LANT, SUBMEPP and NKO. Maintenance Planning System funds will be used to help ship programs identify, plan and execute maintenance activities as well as improve efficiently at all levels (performed by ship's force as well as organizational/depot level) by creating a set of tools to provide a robust, disconnected and comprehensive training and maintenance solution delivering dynamic content. This set of tools and the associated ship-to-shore data environment will reduce O&MN funding over time. This will be fielded as part of the Non-Tactical Data Processing System (NTDPS) to VIRGINIA Class submarines. Funding for survival equipment ensures compliance to CNO requirements for crew life support and survivability for several days. Procurement includes LiOH canisters, Submarine Escape Immersion Equipment (SEIE) suits and oxygen (O2) candles.												

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment									

ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:					Other Related Program Elements: 0604558N, 0204281N									

Line Item MDAP/MAIS Code: 516			Item MDAP/MAIS Code(s):																

Ship Control Tactical Lab Set for Redesign Configuration procures the Acceptance Test Lab to support VIRGINIA Class upgrade of new ship control hardware development and qualification. Procurement includes a full tactical set of hardware for the lab.

Finally, the continuous ship upgrades necessary to maintain class viability of the earlier ships are included in this funding line. This is particularly important for Commercial Off-the-Shelf (COTS) Technology Refreshment and Technology Upgrades for Non-Propulsion Electronic Systems (NPES). The class level of modernization and capability rests on available resources.

[P3A - 4 / HRC13 - Infrastructure Upgrades]: Note: Reduction in FY14 due to Congressional HAC Mark.

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)
Virginia Class Support Equipment	P-40a		-	-	630.998	-	-	18.820	-	-	8.971	-	-	14.143	-	-	-	-	-	14.143
P-3a - 1 / H1RC6 - Major Shore Spares	P-3a		-	-	193.835	-	-	-	-	-	12.850	-	-	7.387	-	-	-	-	-	7.387
P-3a - 2 / HRC11 - VA Class Support Equipment	P-3a		-	-	21.663	-	-	3.182	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 3 / HRC13 - Hotel Services	P-3a		-	-	149.485	-	-	32.150	-	-	28.641	-	-	20.236	-	-	-	-	-	20.236
P-3a - 4 / HRC13 - Infrastructure Upgrades	P-3a		-	-	0.000	-	-	1.307	-	-	7.666	-	-	22.461	-	-	-	-	-	22.461
P-3a - 5 / HRC13 - Non-Tactical Data Processing System	P-3a		-	-	10.179	-	-	5.227	-	-	5.313	-	-	5.402	-	-	-	-	-	5.402
P-3a - 6 / HRC13 - SHIPALT SA4612K	P-3a		-	-	9.370	-	-	9.554	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 7 / HRC13 - Ship Control System (SCS) Modernization Backfit	P-3a		-	-	7.000	-	-	0.755	-	-	5.800	-	-	4.500	-	-	-	-	-	4.500
Total Gross/Weapon System Cost			-	-	1,022.530	-	-	70.995	-	-	69.241	-	-	74.129	-	-	-	-	-	74.129

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)
Virginia Class Support Equipment	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / H1RC6 - Major Shore Spares	P-3a		-	-	7.025	-	-	7.144	-	-	7.265	-	-	7.403	Continuing			Continuing		

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment										
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:								Other Related Program Elements: 0604558N, 0204281N						
Line Item MDAP/MAIS Code: 516				Item MDAP/MAIS Code(s):																
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			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)
P-3a - 2 / HRC11 - VA Class Support Equipment	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.845
P-3a - 3 / HRC13 - Hotel Services	P-3a		-	-	11.075	-	-	10.871	-	-	-	-	-	-	-	-	-	-	-	252.458
P-3a - 4 / HRC13 - Infrastructure Upgrades	P-3a		-	-	16.734	-	-	6.444	-	-	17.381	-	-	17.556	-	-	-	-	-	89.549
P-3a - 5 / HRC13 - Non-Tactical Data Processing System	P-3a		-	-	5.510	-	-	5.604	-	-	5.699	-	-	5.807	-	-	-	-	-	48.741
P-3a - 6 / HRC13 - SHIPALT SA4612K	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.924
P-3a - 7 / HRC13 - Ship Control System (SCS) Modernization Backfit	P-3a		-	-	4.600	-	-	4.600	-	-	1.200	-	-	1.222	-	-	-	-	-	29.677
Total Gross/Weapon System Cost			-	-	56.775	-	-	46.593	-	-	65.738	-	-	79.903	Continuing			Continuing		
*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.																				

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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 / 01 / 9								P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment							Aggregated Items Title: Virginia Class 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	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) All Prior Years																					
1.1) All Prior Years (APY)	A		-	-	567.801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1) All Prior Years			-	-	567.801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2) H1RC2 TEST & EVALUATION EQUIPMENT																					
2.1) Test & Evaluation Measuring Equipment	A		-	-	20.466	-	-	1.792	-	-	1.864	-	-	1.938	-	-	-	-	-	1.938	
Subtotal: 2) H1RC2 TEST & EVALUATION EQUIPMENT			-	-	20.466	-	-	1.792	-	-	1.864	-	-	1.938	-	-	-	-	-	1.938	
3) H1RC03 VLS/VPT Peculiar Support Equipment																					
3.1) VLS/VPT Peculiar Support Equipment	A		-	-	-	-	-	-	-	-	-	-	-	3.100	-	-	-	-	-	3.100	
Subtotal: 3) H1RC03 VLS/VPT Peculiar Support Equipment			-	-	0.000	-	-	-	-	-	-	-	-	3.100	-	-	-	-	-	3.100	
4) H1RC13 TECH INSERTION TECH REFRESH & UPGRADES																					
4.1) HM&E Tech Refresh	A		-	-	2.733	-	-	1.407	-	-	1.430	-	-	1.780	-	-	-	-	-	1.780	
4.2) NPES Tech Refresh	A		-	-	2.943	-	-	1.515	-	-	1.542	-	-	1.940	-	-	-	-	-	1.940	
4.3) Shipboard Mobile Computing NTDPS (ULAN + SW Enclave + PDOCS + Upgrades)	A		-	-	4.203	-	-	2.165	-	-	2.208	-	-	3.378	-	-	-	-	-	3.378	
4.4) System Level Activities PSA/Post PSA	A		-	-	3.468	-	-	1.786	-	-	1.822	-	-	1.858	-	-	-	-	-	1.858	
4.5) HM&E and CFE NPES Modernization	A		-	-	25.849	-	-	6.136	-	-	-	-	-	-	-	-	-	-	-	-	
4.6) Misc. Upgrades, Tech Refresh	A		-	-	2.800	-	-	3.247	-	-	0.105	-	-	0.149	-	-	-	-	-	0.149	
Subtotal: 4) H1RC13 TECH INSERTION TECH REFRESH & UPGRADES			-	-	41.996	-	-	16.256	-	-	7.107	-	-	9.105	-	-	-	-	-	9.105	
5) HRC14 SURVIVAL EQUIPMENT FOR SEA RIDERS																					
5.1) Survival Equipment for Sea Trial Riders	A		-	-	0.735	-	-	0.772	-	-	-	-	-	-	-	-	-	-	-	-	
5.2) New Cost Element			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 5) HRC14 SURVIVAL EQUIPMENT FOR SEA RIDERS			-	-	0.735	-	-	0.772	-	-	-	-	-	-	-	-	-	-	-	-	

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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 / 01 / 9						P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment						Aggregated Items Title: Virginia Class 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Total			-	-	630.998	-	-	18.820	-	-	8.971	-	-	14.143	-	-	-	-	-	14.143

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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 / 01 / 9								P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment								Aggregated Items Title: Virginia Class Support Equipment						
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) All Prior Years																						
1.1) All Prior Years (APY)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: 1) All Prior Years			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2) H1RC2 TEST & EVALUATION EQUIPMENT																						
2.1) Test & Evaluation Measuring Equipment	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: 2) H1RC2 TEST & EVALUATION EQUIPMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
3) H1RC03 VLS/VPT Peculiar Support Equipment																						
3.1) VLS/VPT Peculiar Support Equipment	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: 3) H1RC03 VLS/VPT Peculiar Support Equipment			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4) H1RC13 TECH INSERTION TECH REFRESH & UPGRADES																						
4.1) HM&E Tech Refresh	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4.2) NPES Tech Refresh	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4.3) Shipboard Mobile Computing NTDPS (ULAN + SW Enclave + PDOCS + Upgrades)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4.4) System Level Activities PSA/Post PSA	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4.5) HM&E and CFE NPES Modernization	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4.6) Misc. Upgrades, Tech Refresh	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: 4) H1RC13 TECH INSERTION TECH REFRESH & UPGRADES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
5) HRC14 SURVIVAL EQUIPMENT FOR SEA RIDERS																						
5.1) Survival Equipment for Sea Trial Riders	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
5.2) New Cost Element			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: 5) HRC14 SURVIVAL EQUIPMENT FOR SEA RIDERS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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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 / 01 / 9						P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment						Aggregated Items Title: Virginia Class Support Equipment								
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)
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment				Modification Number / Title: 1 / H1RC6 - Major Shore Spares			

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>)	193.835	-	12.850	7.387	-	7.387	7.025	7.144	7.265	7.403	Continuing	Continuing
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	193.835	-	12.850	7.387	-	7.387	7.025	7.144	7.265	7.403	Continuing	Continuing
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	193.835	-	12.850	7.387	-	7.387	7.025	7.144	7.265	7.403	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>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Procure equipment and materials necessary to support the VIRGINIA Class submarine program. Materials are as large as spare rotors and as small as spare anodes and fasteners. Quantity is variable and would skew any attempt to determine a unit cost. VIRGINIA Class rotatable pool rotors are replaced during each Extended Dry-docking Selected Restricted Availability (EDSRA). The rotors are removed, refurbished, and placed into a pool. There is no set installation schedule as rotors, once available, are installed on subsequent availabilities.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment				Modification Number / Title: 1 / H1RC6 - Major Shore Spares					
Models of Systems Affected: VA Class Submarine			Modification Type: Various						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: H1RC6 - Major Shore Spares													
B Kits													
Non-Recurring													
1.1.1) H1RC6 Prior Years - Organic	- / 172.620	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 172.620	
1.1.2) Propulsor - Rotatable Pool - Organic	1 / 7.442	- / -	2 / 12.850	1 / 7.387	- / -	1 / 7.387	1 / 7.025	1 / 7.144	1 / 7.265	1 / 7.403	Continuing	Continuing	
1.1.3) Propulsor - ILS Parts - Organic	- / 8.998	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.998	
1.1.4) Misc. Insurance Spares (planes, rudders, etc.) - Organic	- / 1.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.025	
1.1.5) Misc. Rotatable Pool (fans, pumps, motors, etc.) - Organic	- / 3.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.750	
Subtotal: Non-Recurring	- / 193.835	- / -	- / 12.850	- / 7.387	- / -	- / 7.387	- / 7.025	- / 7.144	- / 7.265	- / 7.403	Continuing	Continuing	
Subtotal: H1RC6 - Major Shore Spares	1 / 193.835	- / -	2 / 12.850	1 / 7.387	- / -	1 / 7.387	1 / 7.025	1 / 7.144	1 / 7.265	1 / 7.403	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 193.835	- / -	- / 12.850	- / 7.387	- / -	- / 7.387	- / 7.025	- / 7.144	- / 7.265	- / 7.403	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	193.835	-	12.850	7.387	-	7.387	7.025	7.144	7.265	7.403	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9			P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment			Modification Number / Title: 1 / H1RC6 - Major Shore Spares	
Modification Item 1 of 1: H1RC6 - Major Shore Spares							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Naval Foundary & Propeller Center - Spare Rotor ⁽¹⁾				Manufacturer Location: >Philadelphia, PA			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 32			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates			Feb 2015	Feb 2016			
Delivery Dates			Aug 2017	Aug 2018			
Manufacturer Name: Naval Foundary & Propeller Center-Hub Scoot Bar Set ⁽²⁾				Manufacturer Location: >Philadelphia, PA			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 33			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: NRL ⁽³⁾				Manufacturer Location: >Key West, FL			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 6			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: BAE Systems LP-Fasteners ⁽⁴⁾				Manufacturer Location: >Louisville, KY			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 18			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: BAE Systems LP-SHIPALT HW ⁽⁵⁾				Manufacturer Location: >Louisville, KY			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 17			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: BAE Systems LP-Spare Ropeguard ⁽⁶⁾				Manufacturer Location: >Louisville, KY			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 18			

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9		P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment			Modification Number / Title: 1 / H1RC6 - Major Shore Spares		
Modification Item 1 of 1: H1RC6 - Major Shore Spares							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: BAE Systems LP-Ropeguard Trailing Edge Kit ⁽⁷⁾				Manufacturer Location: >Louisville, KY			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 18			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: BAE Systems LP-Snubber Shim Kit ⁽⁸⁾				Manufacturer Location: >Louisville, KY			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 18			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: NSWC Carderock/ARL ⁽⁹⁾				Manufacturer Location: >Carderock, MD/State College, PA			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 8			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: Electric Boat-CO-H2 Burner ⁽¹⁰⁾				Manufacturer Location: >Groton, CT			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 15			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: Electric Boat-ILPE Blower/Motor ⁽¹¹⁾				Manufacturer Location: >Groton, CT			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 3			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9			P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment			Modification Number / Title: 1 / H1RC6 - Major Shore Spares	
Modification Item 1 of 1: H1RC6 - Major Shore Spares							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Delivery Dates							
Manufacturer Name: Electric Boat-Sanitary Pump/Motor ⁽¹²⁾				Manufacturer Location: >Groton, CT			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 7			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: Electric Boat-Misc ⁽¹³⁾				Manufacturer Location: >Groton, CT			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 4			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: BAE Systems LP-SHIPALT Hardware ⁽¹⁴⁾				Manufacturer Location: >Louisville, KY			
Administrative Leadtime (in Months): 0				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 (Organic): Not Installed - Propulsor - Rotatable Pool					Installation Quantity: 8		
Footnotes: ⁽¹⁾ Spare Rotor ⁽²⁾ Hub Scoot Bar Set ⁽³⁾ Spare Anodes ⁽⁴⁾ Spare Fasteners ⁽⁵⁾ SHIPALT Hardware ⁽⁶⁾ Spare Ropeguard ⁽⁷⁾ Ropeguard Trailing Edge Kit							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment	Modification Number / Title: 1 / H1RC6 - Major Shore Spares
(8) Snubber Shim Kit (9) Hardware & Engineering Services (10) CO-H2 Burner (11) ILPE Blower/Motor (12) Sanitary Pump/Motor (13) Miscellaneous (14) SHIPALT Hardware		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment	Modification Number / Title: 2 / HRC11 - VA Class Support Equipment

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>	21.663	3.182	-	-	-	-	-	-	-	-	-	24.845
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	21.663	3.182	-	-	-	-	-	-	-	-	-	24.845
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	21.663	3.182	-	-	-	-	-	-	-	-	-	24.845

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

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

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

Description:

Procure materials necessary to establish In-Service Engineering Agents (ISEA) lab assets. There are no installation costs associated with this material.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9					P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment					Modification Number / Title: 2 / HRC11 - VA Class Support Equipment			
Models of Systems Affected: VA Class Submarines					Modification Type: Various					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)	Qty (Each) / Total Cost (\$ M)
Procurement													
<i>Modification Item 1 of 1:</i> HRC11 - VA Class Support Equipment													
B Kits													
Non-Recurring													
1.1.2) HRC11 Prior Years - Organic	- / 12.185	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.185
1.1.3) Thin Line Towed Array Handling System Tester - Organic	- / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.400
1.1.4) Main Shaft/Propulsion Change Out - Organic	- / 2.178	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.178
1.1.8) Weapon and Launcher Test Set - Organic	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.300
<i>Subtotal: Non-Recurring</i>	- / 15.063	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.063
<i>Subtotal: HRC11 - VA Class Support Equipment</i>	- / 15.063	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.063
<i>Subtotal: Procurement, All Modification Items</i>	- / 15.063	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.063
Support (All Modification Items)													
2.1) Light Weight Wide Aperture Array Lab	- / 2.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.300
2.2) MK71 Tube Support Facility	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.3) VA Payload Tube Lab/Facility	- / 3.700	- / 3.182	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.882
2.4) Multiple Lab/Facility Upgrade	- / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.600
<i>Subtotal: Support</i>	- / 6.600	- / 3.182	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.782
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total													
Total Cost (Procurement + Support + Installation)	21.663	3.182	-	-	-	-	-	-	-	-	-	-	24.845

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Exhibit P-3a, Individual Modification: PB 2015 Navy				Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9			P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment			Modification Number / Title: 2 / HRC11 - VA Class Support Equipment	
Modification Item 1 of 1: HRC11 - VA Class Support Equipment							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Electric Boat/NUWC Newport ⁽¹⁵⁾				Manufacturer Location: >Groton, CT/Newport, RI			
Administrative Leadtime (<i>in Months</i>): 0				Production Leadtime (<i>in Months</i>): 3			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Manufacturer Name: Electric Boat ⁽¹⁶⁾				Manufacturer Location: >Groton, CT			
Administrative Leadtime (<i>in Months</i>): 0				Production Leadtime (<i>in Months</i>): 3			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jan 2013						
Delivery Dates	Mar 2013						
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		
Footnotes: ⁽¹⁵⁾ ISEA Labs Material ⁽¹⁶⁾ VA Payload Tube Lab/Facility							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment	Modification Number / Title: 3 / HRC13 - Hotel Services

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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	149.485	32.150	28.641	20.236	-	20.236	11.075	10.871	-	-	-	252.458
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	149.485	32.150	28.641	20.236	-	20.236	11.075	10.871	-	-	-	252.458
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	149.485	32.150	28.641	20.236	-	20.236	11.075	10.871	-	-	-	252.458
(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)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Provide procurement of materials necessary to modernize VIRGINIA Class Submarine infrastructure (i.e. power, cabling, cooling, and arrangements of the ship for the entire Government Furnished Equipment (GFE)/ Contractor Furnished Equipment (CFE) NPES configuration). This combination of Hull, Mechanical and Electrical (HM&E) alterations to VIRGINIA Class submarines is collectively referred to as the "Hotel Services" modification. This Hotel Service modification is necessary to accommodate modernization to major combat system alterations (i.e. A-RCI, AN/BYG-1, and ISIS) and are completed concurrently with those major combat system alterations. TI-02 baseline systems Hotel Services modernizations are completed during Post Shakedown Availability (PSA) for SSN777 and SSN779-783 and during EDSRA or TYCOM Operational Availability (TOA) for SSN774-SSN776 and SSN778. SSN776 procurement and installation are scheduled for FY15 as the ship's EDSRA begins in the third quarter and requires installation planning and touch labor to be fully funded.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment					Modification Number / Title: 3 / HRC13 - Hotel Services			
Models of Systems Affected: VA Class Submarines				Modification Type: Various					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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement												
<i>Modification Item 1 of 1:</i> HRC13 - Hotel Services												
A Kits												
Non-Recurring												
1.1.1) Design - Organic	- / 31.473	- / -	- / 2.760	- / -	- / -	- / -	- / -	- / 1.595	- / -	- / -	- / -	- / 35.828
1.1.2) TI-02 Baseline Upgrade - NonOrganic	6 / 65.188	2 / 19.307	- / -	1 / 10.135	- / -	1 / 10.135	1 / 11.075	- / -	- / -	- / -	- / -	10 / 105.705
<i>Subtotal: Non-Recurring</i>	- / 96.661	- / 19.307	- / 2.760	- / 10.135	- / -	- / 10.135	- / 11.075	- / 1.595	- / -	- / -	- / -	- / 141.533
<i>Subtotal: HRC13 - Hotel Services</i>	6 / 96.661	2 / 19.307	- / 2.760	1 / 10.135	- / -	1 / 10.135	1 / 11.075	- / 1.595	- / -	- / -	- / -	10 / 141.533
<i>Subtotal: Procurement, All Modification Items</i>	- / 96.661	- / 19.307	- / 2.760	- / 10.135	- / -	- / 10.135	- / 11.075	- / 1.595	- / -	- / -	- / -	- / 141.533
Installation												
<i>Modification Item 1 of 1:</i> HRC13 - Hotel Services	- / 52.824	- / 12.843	- / 25.881	- / 10.101	- / -	- / 10.101	- / -	- / 9.276	- / -	- / -	- / -	- / 110.925
<i>Subtotal: Installation</i>	- / 52.824	- / 12.843	- / 25.881	- / 10.101	- / -	- / 10.101	- / -	- / 9.276	- / -	- / -	- / -	- / 110.925
Total												
Total Cost (Procurement + Support + Installation)	149.485	32.150	28.641	20.236	-	20.236	11.075	10.871	-	-	-	252.458

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment				Modification Number / Title: 3 / HRC13 - Hotel Services				
Modification Item 1 of 1: HRC13 - Hotel Services												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Electric Boat-VA Platform Mod ⁽¹⁷⁾							Manufacturer Location: >Groton, CT					
Administrative Leadtime <i>(in Months)</i> : 0							Production Leadtime <i>(in Months)</i> : 9					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Mar 2013		Oct 2014	Oct 2015								
Delivery Dates	Dec 2013		Jul 2015	Jul 2016								
Manufacturer Name: Electric Boat-Design Organic ⁽¹⁸⁾							Manufacturer Location: >Groton, CT					
Administrative Leadtime <i>(in Months)</i> : 0							Production Leadtime <i>(in Months)</i> : 3					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Mar 2014			Mar 2017							
Delivery Dates		Jun 2014			Jun 2017							
Installation Information												
Method of Implementation: AIT : Installation Name: TI-02 Baseline Upgrade												
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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Prior Years	4 / 52.824	2 / 12.843	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 65.667
FY 2013	- / -	- / -	2 / 25.881	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 25.881
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	1 / 10.101	- / -	1 / 10.101	- / -	- / -	- / -	- / -	- / -	1 / 10.101
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 9.276	- / -	- / -	- / -	1 / 9.276
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 52.824	2 / 12.843	2 / 25.881	1 / 10.101	- / -	1 / 10.101	- / -	1 / 9.276	- / -	- / -	- / -	10 / 110.925

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Exhibit P-3a, Individual Modification: PB 2015 Navy																				Date: March 2014											
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment										Modification Number / Title: 3 / HRC13 - Hotel Services											
Modification Item 1 of 1: HRC13 - Hotel Services																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: AIT : Installation Name: TI-02 Baseline Upgrade																															
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot
In	4	1	1	-	-	1	1	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	10	
Out	4	-	1	1	-	-	1	1	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	10	

Footnotes:
(17) VA Platform Modernization TI-02 Baseline Upgrade
(18) VA Platform Modernization - Design Organic

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment	Modification Number / Title: 4 / HRC13 - Infrastructure Upgrades

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>)	0.000	1.307	7.666	22.461	-	22.461	16.734	6.444	17.381	17.556	-	89.549
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	0.000	1.307	7.666	22.461	-	22.461	16.734	6.444	17.381	17.556	-	89.549
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	0.000	1.307	7.666	22.461	-	22.461	16.734	6.444	17.381	17.556	-	89.549
(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:

Provide procurement of materials necessary to modernize VIRGINIA Class unique Contractor Furnished Equipment (CFE) to sustain interfaces and technology baseline with the connecting Government Furnished sub-systems contained in the Non-Propulsion Electronics System suite. These sub-systems include; Portable Ship Control System (PSCS), Total Ship Monitoring System, Circuit D, Ship Control System, Light Weight Wide Aperture Array and Interior Communication System.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment				Modification Number / Title: 4 / HRC13 - Infrastructure Upgrades					
Models of Systems Affected: VA Class Submarines			Modification Type: Various						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: HRC13 - Infrastructure Upgrades													
A Kits													
Recurring													
1.1.1) Design - Organic	- / -	- / 1.307	- / 1.656	- / 1.689	- / -	- / 1.689	- / 2.495	- / -	- / 1.793	- / 1.827	- / -	- / 10.767	
Subtotal: Recurring	- / 0.000	- / 1.307	- / 1.656	- / 1.689	- / -	- / 1.689	- / 2.495	- / -	- / 1.793	- / 1.827	- / -	- / 10.767	
Non-Recurring													
1.2.1) Infrastructure Updates (from TI-08 and beyond baseline) - NonOrganic	- / -	- / -	1 / 6.010	3 / 17.329	- / -	3 / 17.329	- / -	1 / 6.444	1 / 6.573	1 / 6.698	- / -	7 / 43.054	
1.2.2) Infrastructure Updates NRE (Block IV) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.637	- / 3.551	- / -	- / 7.188	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 6.010	- / 17.329	- / -	- / 17.329	- / -	- / 6.444	- / 10.210	- / 10.249	- / -	- / 50.242	
Subtotal: HRC13 - Infrastructure Upgrades	- / -	- / 1.307	1 / 7.666	3 / 19.018	- / -	3 / 19.018	- / 2.495	1 / 6.444	1 / 12.003	1 / 12.076	- / -	7 / 61.009	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 1.307	- / 7.666	- / 19.018	- / -	- / 19.018	- / 2.495	- / 6.444	- / 12.003	- / 12.076	- / -	- / 61.009	
Installation													
Modification Item 1 of 1: HRC13 - Infrastructure Upgrades	- / 0.000	- / -	- / -	- / 3.443	- / -	- / 3.443	- / 14.239	- / -	- / 5.378	- / 5.480	- / -	- / 28.540	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 3.443	- / -	- / 3.443	- / 14.239	- / -	- / 5.378	- / 5.480	- / -	- / 28.540	
Total													
Total Cost (Procurement + Support + Installation)	0.000	1.307	7.666	22.461	-	22.461	16.734	6.444	17.381	17.556	-	89.549	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment				Modification Number / Title: 4 / HRC13 - Infrastructure Upgrades				
Modification Item 1 of 1: HRC13 - Infrastructure Upgrades												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Electric Boat-Infrastructure Upgrades ⁽¹⁹⁾							Manufacturer Location: >Groton, CT					
Administrative Leadtime <i>(in Months)</i> : 0							Production Leadtime <i>(in Months)</i> : 10					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Jan 2014	Oct 2014									
Delivery Dates		Oct 2014	Aug 2015									
Manufacturer Name: Electric Boat-Infrasturcutre Upgrades Design ⁽²⁰⁾							Manufacturer Location: >Groton, CT					
Administrative Leadtime <i>(in Months)</i> : 0							Production Leadtime <i>(in Months)</i> : 3					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Jan 2013	Jan 2014	Jan 2015	Jan 2016								
Delivery Dates	Mar 2013	Mar 2014	Mar 2015	Mar 2016								
Installation Information												
Method of Implementation: AIT : Installation Name: Infrastructure Updates (from TI-08 and beyond baseline)												
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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	1 / 3.443	- / -	1 / 3.443	- / -	- / -	- / -	- / -	- / -	1 / 3.443
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	3 / 14.239	- / -	- / -	- / -	- / -	3 / 14.239
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.378	- / -	- / -	1 / 5.378
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.480	- / -	1 / 5.480
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / 3.443	- / -	1 / 3.443	3 / 14.239	- / -	1 / 5.378	1 / 5.480	- / -	6 / 28.540

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Exhibit P-3a, Individual Modification: PB 2015 Navy																						Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment										Modification Number / Title: 4 / HRC13 - Infrastructure Upgrades											
Modification Item 1 of 1: HRC13 - Infrastructure Upgrades																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: AIT : Installation Name: Infrastructure Updates (from TI-08 and beyond baseline)																															
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	2	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	6
Out	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2	-	-	-	-	-	-	1	-	-	-	-	1	-	-	6

Footnotes:

(19) Infrastructure Upgrades from TI-08 and beyond baseline

(20) Infrastructure Upgrades Design

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment				Modification Number / Title: 5 / HRC13 - Non-Tactical Data Processing System			

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>	10.179	5.227	5.313	5.402	-	5.402	5.510	5.604	5.699	5.807	-	48.741
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	10.179	5.227	5.313	5.402	-	5.402	5.510	5.604	5.699	5.807	-	48.741
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	10.179	5.227	5.313	5.402	-	5.402	5.510	5.604	5.699	5.807	-	48.741
<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:

Provide software and hardware updates, software licenses and technical and logistics support to the Non-Tactical Data Processing System (NTDPS).

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment						Modification Number / Title: 5 / HRC13 - Non-Tactical Data Processing System			
Models of Systems Affected: VA Class Submarine				Modification Type: Various					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: HRC13 - Non-Tactical Data Processing System													
B Kits													
Non-Recurring													
1.1.1) NTDPS Software - Organic		- / 10.179	- / 5.227	- / 5.313	- / 5.402	- / -	- / 5.402	- / 5.510	- / 5.604	- / 5.699	- / 5.807	- / -	- / 48.741
Subtotal: Non-Recurring		- / 10.179	- / 5.227	- / 5.313	- / 5.402	- / -	- / 5.402	- / 5.510	- / 5.604	- / 5.699	- / 5.807	- / -	- / 48.741
Subtotal: HRC13 - Non-Tactical Data Processing System		- / 10.179	- / 5.227	- / 5.313	- / 5.402	- / -	- / 5.402	- / 5.510	- / 5.604	- / 5.699	- / 5.807	- / -	- / 48.741
Subtotal: Procurement, All Modification Items		- / 10.179	- / 5.227	- / 5.313	- / 5.402	- / -	- / 5.402	- / 5.510	- / 5.604	- / 5.699	- / 5.807	- / -	- / 48.741
Installation													
Subtotal: Installation		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total													
Total Cost (Procurement + Support + Installation)		10.179	5.227	5.313	5.402	-	5.402	5.510	5.604	5.699	5.807	-	48.741

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9			P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment			Modification Number / Title: 5 / HRC13 - Non-Tactical Data Processing System	
Modification Item 1 of 1: HRC13 - Non-Tactical Data Processing System							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Progeny Systems				Manufacturer Location: >Manassas, VA			
Administrative Leadtime (<i>in Months</i>): 0				Production Leadtime (<i>in Months</i>): 10			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Mar 2013	Mar 2014	Mar 2015	Mar 2016			
Delivery Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016			
Manufacturer Name: Progeny Systems				Manufacturer Location: >Manassas , VA			
Administrative Leadtime (<i>in Months</i>): 0				Production Leadtime (<i>in Months</i>): 3			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment	Modification Number / Title: 6 / HRC13 - SHIPALT SA4612K

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>	9.370	9.554	-	-	-	-	-	-	-	-	-	18.924
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	9.370	9.554	-	-	-	-	-	-	-	-	-	18.924
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	9.370	9.554	-	-	-	-	-	-	-	-	-	18.924
<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:

HM&E and CFE NPES Modernization develops alteration design documentation, alteration material procurement and kitting, alteration planning and execution for various in-service VA Class submarines. It does not include Hotel Services Working Group (HSWG) and Participating Acquisition Resource Manager (PARM) sponsored alterations. Alteration SA4612K removes the damping tile restraining layer from all Main Ballast Tanks (MBTs) and external free flood areas to prevent blockage of the MBT grates.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment				Modification Number / Title: 6 / HRC13 - SHIPALT SA4612K						
Models of Systems Affected: VA Class Submarine			Modification Type: K Alt						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: HRC13 - SHIPALT SA4612K														
B Kits														
Non-Recurring														
1.1.1) SHIPALT SA4612K - NonOrganic	2 / 0.133	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.133		
Subtotal: Non-Recurring	- / 0.133	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.133		
Subtotal: HRC13 - SHIPALT SA4612K	2 / 0.133	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.133		
Subtotal: Procurement, All Modification Items	- / 0.133	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.133		
Installation														
Modification Item 1 of 1: HRC13 - SHIPALT SA4612K	- / 9.237	- / 9.554	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.791		
Subtotal: Installation	- / 9.237	- / 9.554	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.791		
Total														
Total Cost (Procurement + Support + Installation)	9.370	9.554	-	-	-	-	-	-	-	-	-	18.924		

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment										Modification Number / Title: 6 / HRC13 - SHIPALT SA4612K											
Modification Item 1 of 1: HRC13 - SHIPALT SA4612K																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Manufacturer Name Not Provided.															Manufacturer Location: Manufacturer Location Not Provided.																
Administrative Leadtime <i>(in Months)</i> :															Production Leadtime <i>(in Months)</i> :																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: AIT : Installation Name: SHIPALT SA4612K																															
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 / 9.237		1 / 9.554		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 18.791					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		1 / 9.237		1 / 9.554		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 18.791					
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Out	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment	Modification Number / Title: 7 / HRC13 - Ship Control System (SCS) Modernization Backfit

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>)	7.000	0.755	5.800	4.500	-	4.500	4.600	4.600	1.200	1.222	-	29.677
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	7.000	0.755	5.800	4.500	-	4.500	4.600	4.600	1.200	1.222	-	29.677
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	7.000	0.755	5.800	4.500	-	4.500	4.600	4.600	1.200	1.222	-	29.677
(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.

Description:

Procure and install obsolescence redesign for Ship Control System (SCS) on Block I and II. The material procurement in FY14-17 includes long lead items for four shipsets for backfit (SSN776-SSN779).

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9					P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment					Modification Number / Title: 7 / HRC13 - Ship Control System (SCS) Modernization Backfit			
Models of Systems Affected: VA Class Submarines					Modification Type: Various					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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement													
<i>Modification Item 1 of 1:</i> HRC13 - Ship Control System (SCS) Modernization Backfit													
A Kits													
Non-Recurring													
1.1.1) Modification Non-Recurring - Organic	- / 3.300	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.222	- / -	- / 6.522	
<i>Subtotal: Non-Recurring</i>	- / 3.300	- / -	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.222	- / -	- / 6.522	
B Kits													
Non-Recurring													
2.1.1) Material and Install - NonOrganic	1 / 3.700	- / -	1 / 3.800	1 / 3.400	- / -	1 / 3.400	1 / 3.500	1 / 3.500	- / -	- / -	- / -	5 / 17.900	
<i>Subtotal: Non-Recurring</i>	- / 3.700	- / -	- / 3.800	- / 3.400	- / -	- / 3.400	- / 3.500	- / 3.500	- / -	- / -	- / -	- / 17.900	
<i>Subtotal: HRC13 - Ship Control System (SCS) Modernization Backfit</i>	1 / 7.000	- / -	1 / 5.800	1 / 3.400	- / -	1 / 3.400	1 / 3.500	1 / 3.500	- / -	- / 1.222	- / -	5 / 24.422	
<i>Subtotal: Procurement, All Modification Items</i>	- / 7.000	- / -	- / 5.800	- / 3.400	- / -	- / 3.400	- / 3.500	- / 3.500	- / -	- / 1.222	- / -	- / 24.422	
Installation													
<i>Modification Item 1 of 1:</i> HRC13 - Ship Control System (SCS) Modernization Backfit	- / 0.000	- / 0.755	- / -	- / 1.100	- / -	- / 1.100	- / 1.100	- / 1.100	- / 1.200	- / -	- / -	- / 5.255	
<i>Subtotal: Installation</i>	- / 0.000	- / 0.755	- / -	- / 1.100	- / -	- / 1.100	- / 1.100	- / 1.100	- / 1.200	- / -	- / -	- / 5.255	
Total													
Total Cost (Procurement + Support + Installation)	7.000	0.755	5.800	4.500	-	4.500	4.600	4.600	1.200	1.222	-	29.677	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9					P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment					Modification Number / Title: 7 / HRC13 - Ship Control System (SCS) Modernization Backfit		
Modification Item 1 of 1: HRC13 - Ship Control System (SCS) Modernization Backfit												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Electric Boat-Procurement ⁽²¹⁾							Manufacturer Location: >Groton, CT					
Administrative Leadtime (in Months): 0							Production Leadtime (in Months): 13					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Nov 2013	Nov 2014	Nov 2015								
Delivery Dates		Dec 2014	Dec 2015	Dec 2016								
Manufacturer Name: Electric Boat-Install ⁽²²⁾							Manufacturer Location: >Groton, CT					
Administrative Leadtime (in Months): 0							Production Leadtime (in Months): 3					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Jan 2013											Jan 2019
Delivery Dates	Apr 2013											Apr 2019
Installation Information												
Method of Implementation: AIT : Installation Name: Material and Install												
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	- / -	- / 0.755	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.755
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	1 / 1.100	- / -	1 / 1.100	- / -	- / -	- / -	- / -	- / -	1 / 1.100
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.100	- / -	- / -	- / -	- / -	1 / 1.100
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.100	- / -	- / -	- / -	1 / 1.100
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.200	- / -	- / -	1 / 1.200
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / 0.755	- / -	1 / 1.100	- / -	1 / 1.100	1 / 1.100	1 / 1.100	1 / 1.200	- / -	- / -	4 / 5.255

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Exhibit P-3a, Individual Modification: PB 2015 Navy																				Date: March 2014											
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0942 / Virginia Class Support Equipment										Modification Number / Title: 7 / HRC13 - Ship Control System (SCS) Modernization Backfit											
Modification Item 1 of 1: HRC13 - Ship Control System (SCS) Modernization Backfit																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: AIT : Installation Name: Material and Install																															
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	-	-	-	-	-	-	-	
Out	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	

Footnotes:

⁽²¹⁾ SCS Backfit Procurement

⁽²²⁾ SCS Backfit Install

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment							P-1 Line Item Number / Title: 0944 / LCS Class Support Equipment					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 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>	0.000	8.566	47.078	36.206	-	36.206	67.109	73.526	78.854	88.111	-	399.450
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	8.566	47.078	36.206	-	36.206	67.109	73.526	78.854	88.111	-	399.450
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	8.566	47.078	36.206	-	36.206	67.109	73.526	78.854	88.111	-	399.450
<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>	-	0.701	0.385	2.250	-	2.250	1.180	1.200	1.675	1.350	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: This budget provides for the procurement of long-lead major end items required for Littoral Combat Ship (LCS) repairs for both variants of ships, while production lines are still active. The Spares procurement mitigates major long-lead replacement times due to unplanned system failures and increases operability of vital Fleet assets.												

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)
LCS Class Support Equipment	P-40a		-	-	0.000	-	-	8.566	-	-	47.078	-	-	36.206	-	-	-	-	-	36.206
Total Gross/Weapon System Cost			-	-	0.000	-	-	8.566	-	-	47.078	-	-	36.206	-	-	-	-	-	36.206

*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:

LN001 - LCS Battle Spares

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment		P-1 Line Item Number / Title: 0944 / LCS Class Support Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
This line procures battle spares to ensure their availability in the event of a catastrophe, failure, or major casualty to key systems. Systems exacting shore based spares include gas turbines, diesel engines and generators, propulsion waterjets and waterjet tunnels, reduction gears, auxiliary power unit (APU), and machinery plant control & monitoring system (MPCMS). Spares are determined using the LCS Reliability, Maintainability, Availability (RMA) Plan, NAVSEA RMA guidance, critical application of equipment, and vendor data.		
LN002 - LCS Water jet Spares The LCS class ships are propelled by waterjets (WJ). These items are designed to be removable and repaired at a depot. This line procures WJ units and the major WJ component, Impeller. These items will be designated 2S cog material and support a rotatable pool for life cycle sustainment. There are two LCS hull designs, Freedom Variant and Independence Variant, both composed of four (4) WJs. The Freedom Variant uses Rolls-Royce WJs and the Independence Variant uses Wartsila Lips WJs. Note: the waterjet assemblies are mounted externally on the ships transom.		
LN003 - Engineering Services Provides engineering and technical support for LCS Class Support Equipment. Develop Technical Data Package (TDPs) and associated depot level repair parts lists/installation requirements.		
LN004 - Habitability Modification Beginning in FY16 - Install Habitability Modifications increasing the permanent berths to 98 on the Freedom and Independence Variants and will be implemented during PSA for LCS 5-20. The change comprehensively addresses the following: Living Spaces: Berthing and Sanitary; Refrigeration, Provision Stores, Endurance; Mess Room Seating / Laundry / Potable Water, Generation, and Storage; Sewage Processing and Holding; Solid waste processing of plastics using USN standard shredder and compressed melter unit (CMU); HVAC / Weights / Speed and Endurance / Electrical, ship service; Life Saving and Safety: Life Boats/Rafts.		

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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 / 01 / 9						P-1 Line Item Number / Title: 0944 / LCS Class Support Equipment									Aggregated Items Title: LCS Class 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	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) LN001 LCS Battle Spares																				
1.1) MAIN PROPULSION DIESEL ENGINE (INDEPENDENCE VARIANT)	A		-	-	-	-	-	-	5,200K	1	5.200	5,200K	1	5.200	-	-	-	5,200K	1	5.200
1.2) MT-30 GAS TURBINE ENGINE (FREEDOM VARIANT)	A		-	-	-	5,000K	1	5.000	-	-	-	-	-	-	-	-	-	-	-	-
1.3) SHIPS SERVICE DIESEL GENERATOR (INDEPENDENCE VARIANT)	A		-	-	-	-	-	-	1,000K	2	2.000	-	-	-	-	-	-	-	-	-
1.4) LAUNCH, RECOVERY, AND HANDLING SYSTEM (FREEDOM VARIANT)	A		-	-	-	-	-	-	3,400K	1	3.400	-	-	-	-	-	-	-	-	-
1.5) INTEGRATED BRIDGE SYSTEM	A		-	-	-	-	-	-	900,000.00	1	0.900	900,000.00	1	0.900	-	-	-	900,000.00	1	0.900
1.6) MAIN PROPULSION HM&E EQUIPMENT	A		-	-	-	-	-	-	-	-	-	3,000K	1	3.000	-	-	-	3,000K	1	3.000
1.7) MT-30 GAS TURBINE ENGINE ANCILLARY EQUIPMENT (FREEDOM VARIANT)	A		-	-	-	-	-	-	3,800K	1	3.800	-	-	-	-	-	-	-	-	-
1.8) MAIN PROP. CONTRL & MONITORING SYS (MPCMS)/ ENGINEERING CONTRL SYS (ECS)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.9) TWIN-BOOM EXPANDABLE CRANE (INDEPENDENCE VARIANT)	A		-	-	-	-	-	-	-	-	-	3,700K	1	3.700	-	-	-	3,700K	1	3.700
1.10) TRS-3D RADAR (FREEDOM VARIANT)	A		-	-	-	-	-	-	-	-	-	1,300K	1	1.300	-	-	-	1,300K	1	1.300
1.11) SEA GIRAFFE 3D RADAR (INDEPENDENCE VARIANT)	A		-	-	-	-	-	-	-	-	-	1,244K	1	1.244	-	-	-	1,244K	1	1.244

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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 / 01 / 9						P-1 Line Item Number / Title: 0944 / LCS Class Support Equipment										Aggregated Items Title: LCS Class 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
1.12) MULT. AIRCRAFT NOSE & TAILGEAR INTEGRATED SYS (INDEPENDENCE VAR)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.13) REDUCTION GEAR (FREEDOM VARIANT)	A		-	-	-	-	-	-	12,350K	1	12.350	-	-	-	-	-	-	-	-	-	
1.14) REDUCTION GEAR (INDEPENDENCE VARIANT)	A		-	-	-	-	-	-	-	-	-	6,449K	1	6.449	-	-	-	6,449K	1	6.449	
1.15) ELECTRONIC SUPPORT MEASURES	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.16) AUXILLARY POWER UNIT	A		-	-	-	-	-	-	1,500K	1	1.500	-	-	-	-	-	-	-	-	-	
1.17) MAIN PROPULSION DIESEL ENGINE (FREEDOM VARIANT)	A		-	-	-	-	-	-	5,299K	1	5.299	5,299K	1	5.299	-	-	-	5,299K	1	5.299	
1.18) WATERJET TUNNELS	A		-	-	-	-	-	-	1,000K	1	1.000	1,000K	1	1.000	-	-	-	1,000K	1	1.000	
1.19) SHIPS SERVICE DIESEL GENERATOR (FREEDOM VARIANT)	A		-	-	-	-	-	-	1,700K	1	1.700	1,700K	1	1.700	-	-	-	1,700K	1	1.700	
Subtotal: 1) LN001 LCS Battle Spares			-	-	0.000	-	-	5.000	-	-	37.149	-	-	29.792	-	-	-	-	-	29.792	
2) LN002 LCS Water jet Spares																					
2.1) WATERJET ASSEMBLY (FREEDOM VARIANT)	A		-	-	-	1,700K	1	1.700	2,311K	3	6.933	2,348K	2	4.695	-	-	-	2,348K	2	4.695	
2.2) WATERJET IMPELLER (INDEPENDENCE VARIANT)	A		-	-	-	622,000.00	3	1.866	749,000.00	4	2.996	759,000.00	2	1.518	-	-	-	759,000.00	2	1.518	
Subtotal: 2) LN002 LCS Water jet Spares			-	-	0.000	-	-	3.566	-	-	9.929	-	-	6.213	-	-	-	-	-	6.213	
3) LN003 Engineering Services (TDPs & installation planning)																					
3.1) LN003 Engineering Services (TDPs & installation planning)	A		-	-	-	-	-	-	-	-	-	-	-	0.201	-	-	-	-	-	0.201	

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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 / 01 / 9						P-1 Line Item Number / Title: 0944 / LCS Class Support Equipment									Aggregated Items Title: LCS Class 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal: 3) LN003 Engineering Services (TDPs & installation planning)			-	-	0.000	-	-	-	-	-	-	-	-	0.201	-	-	-	-	-	0.201
4) LN004 Habitability Modification																				
4.1) HABITABILITY MOD (FRE VARIANT)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) HABITABILITY MOD (IND VARIANT)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) LN004 Habitability Modification			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	0.000	-	-	8.566	-	-	47.078	-	-	36.206	-	-	-	-	-	36.206

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment							P-1 Line Item Number / Title: 0945 / Submarine Batteries					
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>)	238.505	38.179	37.000	37.352	-	37.352	29.229	26.816	17.641	20.638	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	238.505	38.179	37.000	37.352	-	37.352	29.229	26.816	17.641	20.638	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	238.505	38.179	37.000	37.352	-	37.352	29.229	26.816	17.641	20.638	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	0.039	0.042	-	-	-	-	-	-	-	-	0.081
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: Procurement of Valve Regulated Lead Acid (VRLA) batteries and Shipalt installation to modify submarines from use of legacy flooded battery (no longer in production at former sole source manufacturer) to new design VRLA battery. Initial installations of VRLA battery also requires the installation of an Automatic Battery Monitoring system (ABMS). The budget procures and installs initial VRLA batteries for 31 SSN688 Class, 3 SSN21 Class, 4 SSGN Class, 10 SSBN Class and 6 SSN774 Class Submarines. Batteries have a finite life and are consumables. Therefore, the budget also procures replacement VRLA batteries at a notional 5.5 year replacement cycle. Procurement with ABMS are new installation and procurement without ABMS are life cycle replacements. Installation of replacement batteries are funded by the Submarine Type Commander. [P40A / HM002 - LOS ANGELES Class Main Storage Battery]: Procurement of a low maintenance sealed lead acid battery which involves adapting commercial Valve Regulated Lead Acid (VRLA) technology to submarines. This replaces flooded battery technology for which the industrial base ceased manufacture and support of in FY05. Installation of VRLA battery require extensive battery well modification (SHIPALT) unique for each submarine class. All dates for VRLA installation on Los Angeles Class submarines are based on the FMPMIS schedule of Mar 2013. Installation unit costs vary due to the availability types, location of installation and submarine type. Ships are shown below in the FY of installation funding. Availability Types: DMP Depot Modernization Period EOH Engineered Overhaul DSRA Drydocking Selected Restricted Availability Prior Years SSN 768 DMP SSN 770 DMP SSN 723 EOH SSN 725 EOH SSN 767 DSRA SSN 762 DSRA SSN 750 EOH SSN 763 DMP SSN 772 DMP SSN 764 DSRA SSN 721 EOH SSN 751 EOH SSN 766 DSRA SSN 755 EOH SSN 724 EOH SSN 773 DMP SSN 719 DSRA SSN 761 DSRA SSN 722 EOH SSN 752 EOH SSN 720 DSRA SSN 771 DSR ASSN 754 EOH SSN 753 EOH SSN 769 DSRA SSN 757 EOH FY14 - SSN 758 EOH, SSN 756 EOH, SSN 760 EOH FY15 - SSN 759 EOH, SSN 765 EOH												

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment		P-1 Line Item Number / Title: 0945 / Submarine Batteries
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
[P40A / HM008 - OHIO Class Main Storage Battery]: Procurement of a low maintenance sealed lead acid battery which involves adapting commercial Valve Regulated Lead Acid (VRLA) technology to submarines. This replaces flooded battery technology for which the industrial base ceased manufacture and support of in FY05. Installation of VRLA battery require extensive battery well modification (SHIPALT) unique for each submarine class. All dates for VRLA installation on Ohio Class submarines are based on the FMPMIS schedule of Mar 2013. Installation unit costs vary due to the availability types, location of installation and submarine type. Ships are shown below in the FY of installation funding. Availability Types: ERO Engineered Refueling Overhaul ERP Extended Refit Period MMP Major Maintenance Period Prior Years SSBN 740 ERP SSBN 743 ERP SSBN 741 ERP SSBN 735 ERO (SCN Procurement) SSBN 742 ERP SSBN 737 ERO SSGN 729 MMP SSBN 736 ERO SSBN 738 ERO SSGN 726 ERP SSGN 728 MMP FY14 - SSBN 739 ERO FY15 - SSGN 727 ERP FY16 - None FY17 - SSBN 730 ERP [P40A / HM009 - SEAWOLF Class Main Storage Battery]: Procurement of a low maintenance sealed lead acid battery which involves adapting commercial Valve Regulated Lead Acid (VRLA) technology to submarines. This replaces flooded battery technology for which the industrial base ceased manufacture and support of in FY05. Installation of VRLA battery require extensive battery well modification (SHIPALT) unique for each submarine class. All dates for VRLA installation on SEAWOLF Class submarines are based on the FMPMIS schedule of Mar 2013. Installation unit costs vary due to the availability types, location of installation and submarine type. SEAWOLF class installation of VRLA Shipalt was completed in FY08. Availability Types: DPMA Drydocking Phased Maintenance Availability Special Non-CNO Scheduled Availability Prior Years SSN 22 Special SSN 21 Special SSN 23 DPMA [P40A / HM010 - VIRGINIA Class Main Storage Battery]: Procurement of a low maintenance sealed lead acid battery which involves adapting commercial Valve Regulated Lead Acid (VRLA) technology to submarines. This replaces flooded battery technology for which the industrial base ceased manufacture and support of in FY05. Installation of VRLA battery require extensive battery well modification (SHIPALT) unique for each submarine class. All dates for VRLA installation on Virginia Class submarines are based on the FMPMIS schedule of Mar 2013. Installation unit costs vary due to the availability types, location of installation and submarine type. Ships are shown below in the FY of installation funding. Availability Types: EDSRA Extended Drydocking Selected Restricted Availability Prior Years - SSN 774 EDSRA SSN 775 EDSRA FY14 - None FY15 - SSN 776 EDSRA		

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0945 / Submarine Batteries										
ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:								Other Related Program Elements:							
FY16 - SSN 777 EDSRA, SSN 778 EDSRA																				
FY17 - SSN 779 EDSRA																				
[P40A / HM830 - Production Engineering]: NSWC Crane, as the designated procurement activity and in-service engineering agent (ISEA) monitors battery performance and establishes replacement schedules with the fleet. NSWC Crane is also tasked with leading a Government & Industry Root Cause Analysis (RCA) team to identify and address causes for premature capacity decline seen with VLRA batteries. NSWC Crane conducts qualification testing of VRLA cells which, in addition to being a Performance Specification requirement, has proven very beneficial to the Navy in detecting battery deficiencies that can be corrected before installation, thus alleviating critical emergent fleet impact. Funding is provided for Puget Sound and Portsmouth Naval Shipyards responsibilities for the flooded battery inventory storage, maintenance and inventory management, SHIPALT support, and AIT management. In addition, costs for Planning Yard SHIPALT completion and Lead Yard Services are funded through this line. Beginning in FY13, additional funding will be provided to Puget Sound and Portsmouth Naval Shipyards in order to operate and maintain VRLA battery test facilities. These facilities will be used for testing of batteries prior to installation. This testing will ensure that batteries are fully operational prior to installation and reduce impacts to the fleet caused by unexpected battery capacity declines. FY15-FY17 Production Engineering increased by \$1M, \$2M, & \$2M, respectively, to account for the program contribution required to participate in the Defense Production Act Title III Program.																				
[P3A / HM002 LOS ANGELES Class Main Battery VRLA & ABMS]: INSTALLATION - HM5IN Installation funds are provided to the AITs to accomplish execution of new VRLA battery installations in submarines. Installation of replacement batteries are funded by the TYCOM. Installation unit costs will vary due to the availability types, location of installation, and submarine type.																				

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment												P-1 Line Item Number / Title: 0945 / Submarine Batteries									
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 - 2 / HM008 OHIO CLASS MAIN STORAGE BATTERY VRLA + ABMS	P-3a		-	-	2.105	-	-	5.008	-	-	-	-	-	-	-	-	-	-	-	81.259	
P-3a - 3 / HM010 VIRGINIA Class Main Storage Battery VRLA	P-3a		-	-	14.097	-	-	5.715	-	-	-	-	-	-	-	-	-	-	-	41.769	
Total Gross/Weapon System Cost			-	-	29.229	-	-	26.816	-	-	17.641	-	-	20.638	Continuing			Continuing			
*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.																					

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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 / 01 / 9									P-1 Line Item Number / Title: 0945 / Submarine Batteries							Aggregated Items Title: Equipment ⁽¹⁾					
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) HM002 - LOS ANGELES Class Main Storage Battery																					
1.1) VRLA LOS ANGELES	A		2,935K	1	2.935	1,178K	1	1.178	584,600.00	5	2.923	602,750.00	4	2.411	-	-	-	602,750.00	4	2.411	
1.2) VRLA Los Angeles Material	A		-	-	5.019	-	-	2.552	-	-	3.893	-	-	-	-	-	-	-	-	-	
Subtotal: 1) HM002 - LOS ANGELES Class Main Storage Battery			-	-	7.954	-	-	3.730	-	-	6.816	-	-	2.411	-	-	-	-	-	2.411	
2) HM008 - OHIO Class Main Storage Battery																					
2.1) VRLA OHIO	A		2,187K	1	2.187	1,588K	2	3.176	1,161K	3	3.483	948,000.00	2	1.896	-	-	-	948,000.00	2	1.896	
2.2) VRLA OHIO Material	A		-	-	5.217	-	-	2.009	-	-	-	-	-	2.078	-	-	-	-	-	2.078	
Subtotal: 2) HM008 - OHIO Class Main Storage Battery			-	-	7.404	-	-	5.185	-	-	3.483	-	-	3.974	-	-	-	-	-	3.974	
3) HM009 - SEAWOLF Class Main Storage Battery																					
3.1) VRLA Seawolf	A		673,000.00	2	1.346	602,000.00	1	0.602	621,000.00	1	0.621	-	-	-	-	-	-	-	-	-	
3.2) VRLA Seawolf + ABMS	A		1,179K	3	3.536	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 3) HM009 - SEAWOLF Class Main Storage Battery			-	-	4.882	-	-	0.602	-	-	0.621	-	-	-	-	-	-	-	-	-	
4) HM010 - VIRGINIA Class Main Storage Battery																					
4.1) VIRGINIA	A		-	-	-	-	-	-	621,000.00	1	0.621	-	-	-	-	-	-	-	-	-	
4.2) VRLA VIRGINIA Material	A		-	-	-	-	-	-	-	-	2.730	-	-	5.553	-	-	-	-	-	5.553	
Subtotal: 4) HM010 - VIRGINIA Class Main Storage Battery			-	-	0.000	-	-	-	-	-	3.351	-	-	5.553	-	-	-	-	-	5.553	
5) HM830 - Production Engineering																					
5.1) Production Engineering	A		-	-	28.944	-	-	3.582	-	-	4.774	-	-	6.010	-	-	-	-	-	6.010	
Subtotal: 5) HM830 - Production Engineering			-	-	28.944	-	-	3.582	-	-	4.774	-	-	6.010	-	-	-	-	-	6.010	
Total			-	-	49.184	-	-	13.099	-	-	19.045	-	-	17.948	-	-	-	-	-	17.948	

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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 / 01 / 9								P-1 Line Item Number / Title: 0945 / Submarine Batteries							Aggregated Items Title: Equipment ⁽¹⁾				

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) HM002 - LOS ANGELES Class Main Storage Battery																				
1.1) VRLA LOS ANGELES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) VRLA Los Angeles Material	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) HM002 - LOS ANGELES Class Main Storage Battery			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) HM008 - OHIO Class Main Storage Battery																				
2.1) VRLA OHIO	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) VRLA OHIO Material	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) HM008 - OHIO Class Main Storage Battery			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) HM009 - SEAWOLF Class Main Storage Battery																				
3.1) VRLA Seawolf	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) VRLA Seawolf + ABMS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) HM009 - SEAWOLF Class Main Storage Battery			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) HM010 - VIRGINIA Class Main Storage Battery																				
4.1) VIRGINIA	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) VRLA VIRGINIA Material	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) HM010 - VIRGINIA Class Main Storage Battery			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) HM830 - Production Engineering																				
5.1) Production Engineering	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) HM830 - Production Engineering			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

⁽¹⁾ (1) Material funds identified are for ancillary material required to set up for and support installations. Starting in FY12, these funds are moved from installation to procurement and shown as separate line items to better reflect the required funding profile. (2) FY13 VRLA LOS ANGELES (without ABMS) unit costs include spin lock trays (\$0.6M), which are part of the original SHIPALT design installed on the first 6 submarines, to support life cycle replacement procedures, so unit cost is higher than battery with ABMS. (3) FY13 & FY14 VRLA OHIO replacement batteries (without ABMS) include replacement trays to

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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 / 01 / 9	P-1 Line Item Number / Title: 0945 / Submarine Batteries	Aggregated Items Title: Equipment ⁽¹⁾
support life cycle replacement logistics. (4) FY13 control reduction was a result of sequestration. (5) FY15 VRLA VIRGINIA replacement batteries (without ABMS) include replacement trays to support life cycle replacement logistics. (6) FY15-FY17 Production Engineering increased by \$1M, \$2M, & \$2M, respectively, to account for the program contribution required to participate in the Defense Production Act Title III Program.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0945 / Submarine Batteries	Modification Number / Title: 1 / HM002 LOS ANGELES Class Main Battery VRLA & ABMS

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>	120.152	14.658	12.838	8.009	-	8.009	-	-	-	-	-	155.657
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	120.152	14.658	12.838	8.009	-	8.009	-	-	-	-	-	155.657
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	120.152	14.658	12.838	8.009	-	8.009	-	-	-	-	-	155.657

(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:

VRLA Shipalt is required to modify LA Class submarines from use of legacy flooded battery (no longer in production at former sole source manufacturer) to new design VRLA battery. Installation unit costs may vary depending on location and type of availability. Replacement batteries are not shown because installations are funded by TYCOM.

[HM002 LOS ANGELES CLASS BATTERY VRLA & ABMS INSTALL]

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0945 / Submarine Batteries						Modification Number / Title: 1 / HM002 LOS ANGELES Class Main Battery VRLA & ABMS			
Models of Systems Affected: LOS ANGELES CLASS MAIN STORAGE BATTERY VRLA LOS ANGELES + ABMS				Modification Type: SHIPALT						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
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement													
Modification Item 1 of 1: HM002 LOS ANGELES Class Main Battery VRLA & ABMS													
B Kits													
Recurring													
1.1.1) HM002 LOS ANGELES CLASS BATTERY VRLA & ABMS INSTALL - NonOrganic ⁽²⁾		26 / 19.090	3 / 2.484	2 / 1.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 23.274
Subtotal: Recurring		- / 19.090	- / 2.484	- / 1.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.274
Subtotal: HM002 LOS ANGELES Class Main Battery VRLA & ABMS		26 / 19.090	3 / 2.484	2 / 1.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 23.274
Subtotal: Procurement, All Modification Items		- / 19.090	- / 2.484	- / 1.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.274
Installation													
Modification Item 1 of 1: HM002 LOS ANGELES Class Main Battery VRLA & ABMS		- / 101.062	- / 12.174	- / 11.138	- / 8.009	- / -	- / 8.009	- / -	- / -	- / -	- / -	- / -	- / 132.383
Subtotal: Installation		- / 101.062	- / 12.174	- / 11.138	- / 8.009	- / -	- / 8.009	- / -	- / -	- / -	- / -	- / -	- / 132.383
Total													
Total Cost (Procurement + Support + Installation)		120.152	14.658	12.838	8.009	-	8.009	-	-	-	-	-	155.657

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0945 / Submarine Batteries				Modification Number / Title: 1 / HM002 LOS ANGELES Class Main Battery VRLA & ABMS					
Modification Item 1 of 1: HM002 LOS ANGELES Class Main Battery VRLA & ABMS													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: ENERSYS ⁽³⁾							Manufacturer Location: >WARRENSURG. MO						
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													
Manufacturer Name: ENERSYS & GNB (Exide)							Manufacturer Location: >WARRENSURG. MO & Ft. Smith, AR						
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	Mar 2013	Jan 2014											
Delivery Dates	Jan 2014	Nov 2014											
Installation Information													
Method of Implementation: AIT : Installation Name: HM002 LOS ANGELES CLASS BATTERY VRLA & ABMS INSTALL													
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	22 / 101.062	4 / 12.174	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 113.236	
FY 2013	- / -	- / -	3 / 11.138	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 11.138	
FY 2014	- / -	- / -	- / -	2 / 8.009	- / -	2 / 8.009	- / -	- / -	- / -	- / -	- / -	2 / 8.009	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total	22 / 101.062	4 / 12.174	3 / 11.138	2 / 8.009	- / -	2 / 8.009	- / -	- / -	- / -	- / -	- / -	31 / 132.383	

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Exhibit P-3a, Individual Modification: PB 2015 Navy																				Date: March 2014											
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0945 / Submarine Batteries										Modification Number / Title: 1 / HM002 LOS ANGELES Class Main Battery VRLA & ABMS											
Modification Item 1 of 1: HM002 LOS ANGELES Class Main Battery VRLA & ABMS																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: AIT : Installation Name: HM002 LOS ANGELES CLASS BATTERY VRLA & ABMS INSTALL																															
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	22	2	1	-	1	-	-	2	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
Out	20	-	2	2	1	-	1	-	-	2	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31

Footnotes:

⁽²⁾ (1) Installation funds must be in place at the start of availability. The availability start date can be up to six (6) months prior to battery delivery. (2) In FY12 and later, a realignment of ancillary material costs from Installation to Procurement took place as noted in the P-40A remarks. (3) In FY14 and later, the cost for on-yard installations will increase by ~\$1.2M due to availability management and support services now being prorated to AIT customers for home-yard installations (i.e. Portsmouth NSY).

⁽³⁾ Production Leadtime can range from 6-12 months

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0945 / Submarine Batteries	Modification Number / Title: 2 / HM008 OHIO CLASS MAIN STORAGE BATTERY VRLA + ABMS

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>)	55.001	10.422	3.487	5.236	-	5.236	2.105	5.008	-	-	-	81.259
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	55.001	10.422	3.487	5.236	-	5.236	2.105	5.008	-	-	-	81.259
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	55.001	10.422	3.487	5.236	-	5.236	2.105	5.008	-	-	-	81.259

(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:

VRLA Shipalt is required to modify OHIO Class submarines from use of legacy flooded battery (no longer in production at former sole source manufacturer) to new design VRLA battery. Installation unit costs may vary depending on location and type of availability. Replacement batteries are not shown because installations are funded by TYCOM.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0945 / Submarine Batteries					Modification Number / Title: 2 / HM008 OHIO CLASS MAIN STORAGE BATTERY VRLA + ABMS				
Models of Systems Affected: OHIO CLASS MAIN STORAGE BATTERY VRLA + ABMS				Modification Type: SHIPALT					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: HM008 OHIO CLASS MAIN STORAGE BATTERY VRLA + ABMS													
B Kits													
Recurring													
1.1.1) HM008 OHIO CLASS MAIN STORAGE BATTERY VRLA + ABMS - NonOrganic ⁽⁴⁾	11 / 22.412	1 / 2.088	- / -	1 / 2.047	- / -	1 / 2.047	1 / 2.105	- / -	- / -	- / -	- / -	14 / 28.652	
Subtotal: Recurring	- / 22.412	- / 2.088	- / -	- / 2.047	- / -	- / 2.047	- / 2.105	- / -	- / -	- / -	- / -	- / 28.652	
Subtotal: HM008 OHIO CLASS MAIN STORAGE BATTERY VRLA + ABMS	11 / 22.412	1 / 2.088	- / -	1 / 2.047	- / -	1 / 2.047	1 / 2.105	- / -	- / -	- / -	- / -	14 / 28.652	
Subtotal: Procurement, All Modification Items	- / 22.412	- / 2.088	- / -	- / 2.047	- / -	- / 2.047	- / 2.105	- / -	- / -	- / -	- / -	- / 28.652	
Installation													
Modification Item 1 of 1: HM008 OHIO CLASS MAIN STORAGE BATTERY VRLA + ABMS	- / 32.589	- / 8.334	- / 3.487	- / 3.189	- / -	- / 3.189	- / -	- / 5.008	- / -	- / -	- / -	- / 52.607	
Subtotal: Installation	- / 32.589	- / 8.334	- / 3.487	- / 3.189	- / -	- / 3.189	- / -	- / 5.008	- / -	- / -	- / -	- / 52.607	
Total													
Total Cost (Procurement + Support + Installation)	55.001	10.422	3.487	5.236	-	5.236	2.105	5.008	-	-	-	81.259	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0945 / Submarine Batteries				Modification Number / Title: 2 / HM008 OHIO CLASS MAIN STORAGE BATTERY VRLA + ABMS					
Modification Item 1 of 1: HM008 OHIO CLASS MAIN STORAGE BATTERY VRLA + ABMS													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: ENERSYS ⁽⁵⁾							Manufacturer Location: >WARRENSURG. MO						
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													
Manufacturer Name: ENERSYS & GNB (Exide)							Manufacturer Location: >WARRENSURG. MO & Ft. Smith, AR						
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	Mar 2013		Nov 2014	Jan 2016									
Delivery Dates	Nov 2013		Sep 2015	Jan 2017									
Installation Information													
Method of Implementation: AIT : Installation Name: HM008 OHIO CLASS MAIN STORAGE BATTERY VRLA + ABMS													
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	8 / 32.589	3 / 8.334	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 40.923	
FY 2013	- / -	- / -	1 / 3.487	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.487	
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2015	- / -	- / -	- / -	1 / 3.189	- / -	1 / 3.189	- / -	- / -	- / -	- / -	- / -	1 / 3.189	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.008	- / -	- / -	- / -	1 / 5.008	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total	8 / 32.589	3 / 8.334	1 / 3.487	1 / 3.189	- / -	1 / 3.189	- / -	1 / 5.008	- / -	- / -	- / -	14 / 52.607	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy																				Date: March 2014											
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0945 / Submarine Batteries										Modification Number / Title: 2 / HM008 OHIO CLASS MAIN STORAGE BATTERY VRLA + ABMS											
Modification Item 1 of 1: HM008 OHIO CLASS MAIN STORAGE BATTERY VRLA + ABMS																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: AIT : Installation Name: HM008 OHIO CLASS MAIN STORAGE BATTERY VRLA + ABMS																															
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	8	-	1	1	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	14
Out	7	1	-	-	1	1	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	14

Footnotes:

- ⁽⁴⁾ (1) Installation funds must be in place at the start of availability. The availability start date can be up to six (6) months prior to battery delivery. (2) The delivery date identified at the top of the page is the battery delivery date and not the start of the availability. (3) In FY12 and later, a realignment of ancillary material costs from Installation to Procurement took place as noted in the P-40A remarks. (4) In FY14 and later, the cost for on-yard installations will increase by ~\$900K due to availability management and support services now being prorated to AIT customers for home-yard installations (i.e. Puget NSY&IMF).
⁽⁵⁾ Production Leadtime can range from 6-12 months

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0945 / Submarine Batteries	Modification Number / Title: 3 / HM010 VIRGINIA Class Main Storage Battery VRLA

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>)	14.168	-	1.630	6.159	-	6.159	14.097	5.715	-	-	-	41.769
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	14.168	-	1.630	6.159	-	6.159	14.097	5.715	-	-	-	41.769
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	14.168	-	1.630	6.159	-	6.159	14.097	5.715	-	-	-	41.769

(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:

VRLA Shipalt is required to modify VIRGINIA Class submarines from use of legacy flooded battery (no longer in production at former sole source manufacturer) to new design VRLA battery. Installation unit cost may vary depending on location and type of availability. Replacement batteries are not shown because installations are funded by TYCOM.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0945 / Submarine Batteries						Modification Number / Title: 3 / HM010 VIRGINIA Class Main Storage Battery VRLA			
Models of Systems Affected: VIRGINIA Class Main Storage Battery VRLA + ABMS				Modification Type: SHIPALT					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: HM010 VIRGINIA Class Main Storage Battery VRLA													
B Kits													
Recurring													
1.1.1) HM010 VIRGINIA Class Main Storage Battery VRLA - NonOrganic ⁽⁶⁾		2 / 3.288	- / -	1 / 1.630	1 / 1.658	- / -	1 / 1.658	2 / 3.372	- / -	- / -	- / -	- / -	6 / 9.948
Subtotal: Recurring		- / 3.288	- / -	- / 1.630	- / 1.658	- / -	- / 1.658	- / 3.372	- / -	- / -	- / -	- / -	- / 9.948
Subtotal: HM010 VIRGINIA Class Main Storage Battery VRLA		2 / 3.288	- / -	1 / 1.630	1 / 1.658	- / -	1 / 1.658	2 / 3.372	- / -	- / -	- / -	- / -	6 / 9.948
Subtotal: Procurement, All Modification Items		- / 3.288	- / -	- / 1.630	- / 1.658	- / -	- / 1.658	- / 3.372	- / -	- / -	- / -	- / -	- / 9.948
Installation													
Modification Item 1 of 1: HM010 VIRGINIA Class Main Storage Battery VRLA		- / 10.880	- / -	- / -	- / 4.501	- / -	- / 4.501	- / 10.725	- / 5.715	- / -	- / -	- / -	- / 31.821
Subtotal: Installation		- / 10.880	- / -	- / -	- / 4.501	- / -	- / 4.501	- / 10.725	- / 5.715	- / -	- / -	- / -	- / 31.821
Total													
Total Cost (Procurement + Support + Installation)		14.168	-	1.630	6.159	-	6.159	14.097	5.715	-	-	-	41.769

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0945 / Submarine Batteries	Modification Number / Title: 3 / HM010 VIRGINIA Class Main Storage Battery VRLA

Modification Item 1 of 1: HM010 VIRGINIA Class Main Storage Battery VRLA

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: ENERSYS & GNB (Exide)	Manufacturer Location: >WARRENSURG. MO & Ft. Smith, AR
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		Jan 2014	May 2015	Apr 2016			
Delivery Dates		Jan 2015	May 2016	Apr 2017			

Installation Information

Method of Implementation: AIT : Installation Name: HM010 VIRGINIA Class Main Storage Battery VRLA

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 / 10.880	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 10.880
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	1 / 4.501	- / -	1 / 4.501	- / -	- / -	- / -	- / -	- / -	1 / 4.501
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	2 / 10.725	- / -	- / -	- / -	- / -	2 / 10.725
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.715	- / -	- / -	- / -	1 / 5.715
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 10.880	- / -	- / -	1 / 4.501	- / -	1 / 4.501	2 / 10.725	1 / 5.715	- / -	- / -	- / -	6 / 31.821

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	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	6
Out	1	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	-	1	-	-	-	-	-	-	-	6

Footnotes:

(6) (1) Installation funds must be in place at the start of availability. The availability start date can be up to six (6) months prior to battery delivery. (2) The delivery date identified at the top of the page is the battery delivery date and not the start of the availability. (3) In FY12 and later, a realignment of ancillary material costs from Installation to Procurement took place as noted in the P-40A remarks. (4) In FY14 and later, the cost for on-yard installations will increase by ~\$2.0M due to availability management and support services now being prorated to AIT customers for home-yard installations (i.e. Portsmouth NSY).

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment						P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment						
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1.000	25.835	20.425	49.095	-	49.095	54.141	65.628	63.405	80.002	83.355	442.886
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1.000	25.835	20.425	49.095	-	49.095	54.141	65.628	63.405	80.002	83.355	442.886
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1.000	25.835	20.425	49.095	-	49.095	54.141	65.628	63.405	80.002	83.355	442.886
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
# The FY 2015 OCO Request will be submitted at a later date.												
Description: This budget provides funding for the in service LPD 17 class program support equipment. Previous funding for LPD 17 class support equipment (FY 12 and earlier) was provided under line item OPN 0981, Items Less Than \$5 Million. Funding is required to upgrade mission critical electronic and HM&E systems including the Engineering Control Systems (ECS), Ship Control Systems (SCS), Degaussing Systems, Shipboard Wide-Area Network (SWAN), commercial software products for ECS, SCS, C4ISR and Administrative Communications. CJ2IN - Installation of Equipment Funding is for installation of equipment in support of the Fleet Modernization Program (FMP). [P40A / CJ010 - Schoolhouse TTE]: CJ010 - SCHOOLHOUSE TTE Funding for Schoolhouse Technical Training Equipment (TTE) is for the infrastructure and equipment to set up the schoolhouses for multiple systems such as ECS and SCS 60Hz and Ship Service Diesel Generators (SSDG). The schoolhouses will provide critical training to sailors in operation and maintenance of those systems. [P40A / CJ020 - Shore Based Spares]: CJ020 SHORE BASED SPARES Shore-Based Spares funding is required for procurement of Shore-Based Spares in support of the LPD 17 class deployed assets. Shore-Based Spares are critical long lead time items that will be staged shoreside in case of catastrophic failure. [P3A / CJ030 - HW/SW Obsolescence]: CJ030 LPD 17 HW/SW OBSOLESCENCE HW/SW Obsolescence effort addresses hardware obsolescence/technology refreshment issues, and class upgrades focused on increased capabilities, force protection, and safety. Funding will support procurement of hardware and software changes to the systems listed: -Command Information Display System (CIDS) 23TV- , Replace projectors with LED Projectors -Engineering Control Systems (ECS)- Windows XP upgrade -Ship Control Systems (SCS)- Windows XP upgrade/ SCS Tech Refresh, Digital Rudder Angle Display Information System (DRADIS) -Magnetic Signature Control System (MSCS)- Windows XP upgrade, DCA Redesign. -HM&E Network- HM&E Network Upgrades												

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment	P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment

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

-Wire-free Portable Communication System (WPCS)- WPCS Radio upgrade, Ultra High Frequency (UHF)/ Very High Frequency (VHF) Linker, Uninterruptable Power Supply (UPS) Upgrade, Low Power Amplifier Upgrade, Main Site Upgrade.
 -27TV- 27TV System Upgrade
 -Advanced Fire and Smoke Sensor System (AFSS)-AFSS System Upgrade.
 -Integrated Voice Communication System (IVCS)- IVCS system upgrades (local cutout switches, AFT lookout comm mod, obsolete terminal replacement, FWD/AFT KITE), Software version 7.2.2
 -1MC Announcing System-Digital Microphone Control Station, Announcing System Replacement
 -Navigational Data Distribution System (NDDS)

[P3A - 2 / CJ040 HM&E Electrical Modifications]: CJ040 HM&E ELECTRICAL MODIFICATIONS

HME Modernization funding is provided to correct mission, safety and reliability issues on electrical systems and ultimately resolve maintenance intensive system concerns. HM&E Electrical Modifications include: SWAN UPS- Space Based UPS Reduction

[P3A - 3 / CJ050 - HM&E Survivability Modifications]: CJ050 HM&E SURVIVABILITY MODIFICATIONS

HME Modernization funding is provided to correct mission, safety and reliability issues on HM&E systems (impacting ship survivability) and ultimately resolve maintenance intensive system concerns. HM&E Survivability Modifications include:

Halocarbon Monitor Upgrade, Damage Control Action Management System (DCAMS) 1.1 upgrade, Smoke Ejection System (SES) Redesign, Night Vision Device (NVD) Well Deck Upgrades, Composite Ventilation Louvers and Screens.

[P3A - 4 / CJ060 - HM&E Mechanical/Auxiliary Modifications]: CJ060 HM&E MECHANICAL/AUXILIARY MODIFICATIONS

HME Modernization funding is provided to correct mission, safety and reliability issues on mechanical and auxiliary systems and ultimately resolve maintenance intensive system concerns. HM&E Mechanical/Auxiliary Modifications include:

MIDE Bulkhead Shaft Seal, Helo Hangar Door Control Modifications, VCHT Ejector Pump PLC Upgrade, 2nd Pass Reverse Osmosis (RO) Unit Upgrade, RO Unit Potable Water EDG Recirculation Capability, Aviation Maintenance Bridge Crane Replacement, Knuckleboom Crane Improvements, Geislinger Coupling Improvements, Scullery Improvements and Gaylord System Improvements.

[P3A - 5 / CJ070 SWAN-CANES Integration]: CJ070 SWAN-CANES Integration

The results of the Ship Wide Area Network (SWAN)/ Consolidated Afloat Networks and Enterprise Services (CANES) study provided an updated configuration and use of the LPD 17 Class network systems. SWAN modification funding is provided for converting SWAN to an HM&E only network in support of CANES installation and also to address SWAN obsolescence, tech refresh, reliability issues, and synergistically resolves SWAN performance concerns. These modifications can include up to six distinct updates that can be combined or separated to accommodate the individual ships' schedules and at least one ship does not require all modifications due to current configuration.

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)
LPD Class Support Equipment	P-40a		-	-	0.000	-	-	4.200	-	-	2.200	-	-	3.871	-	-	-	-	-	3.871
P-3a - 1 / CJ030 - HW/SW Obsolescence	P-3a		-	-	1.000	-	-	5.941	-	-	4.333	-	-	11.369	-	-	-	-	-	11.369
P-3a - 2 / CJ040 HM&E Electrical Modifications	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment									P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment											
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:								
Exhibits Schedule			Prior Years			FY 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)
P-3a - 3 / CJ050 - HM&E Survivability Modifications	P-3a		-	-	0.000	-	-	0.048	-	-	0.072	-	-	0.508	-	-	-	-	-	0.508
P-3a - 4 / CJ060 - HM&E Mechanical/Auxiliary Modifications	P-3a		-	-	0.000	-	-	6.546	-	-	12.820	-	-	27.202	-	-	-	-	-	27.202
P-3a - 5 / CJ070 SWAN-CANES Integration	P-3a		-	-	0.000	-	-	9.100	-	-	1.000	-	-	6.145	-	-	-	-	-	6.145
Total Gross/Weapon System Cost			-	-	1.000	-	-	25.835	-	-	20.425	-	-	49.095	-	-	-	-	-	49.095
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			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)
LPD Class Support Equipment	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / CJ030 - HW/SW Obsolescence	P-3a		-	-	6.310	-	-	3.568	-	-	7.782	-	-	21.653	-	-	50.287	-	-	112.243
P-3a - 2 / CJ040 HM&E Electrical Modifications	P-3a		-	-	0.748	-	-	3.366	-	-	6.358	-	-	5.236	-	-	0.748	-	-	16.456
P-3a - 3 / CJ050 - HM&E Survivability Modifications	P-3a		-	-	1.590	-	-	3.778	-	-	4.643	-	-	3.488	-	-	1.163	-	-	15.290
P-3a - 4 / CJ060 - HM&E Mechanical/Auxiliary Modifications	P-3a		-	-	27.943	-	-	33.961	-	-	37.164	-	-	37.606	-	-	21.157	-	-	204.399
P-3a - 5 / CJ070 SWAN-CANES Integration	P-3a		-	-	13.594	-	-	17.997	-	-	2.950	-	-	3.001	-	-	-	-	-	53.787
Total Gross/Weapon System Cost			-	-	54.141	-	-	65.628	-	-	63.405	-	-	80.002	-	-	83.355	-	-	442.886
*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.																				

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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 / 01 / 9								P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment							Aggregated Items Title: LPD Class 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	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) CJ010 - Schoolhouse TTE																				
1.1) Schoolhouse TTE	A		-	-	-	-	-	1.200	-	-	-	-	-	0.847	-	-	-	-	-	0.847
Subtotal: 1) CJ010 - Schoolhouse TTE			-	-	0.000	-	-	1.200	-	-	-	-	-	0.847	-	-	-	-	-	0.847
2) CJ020 - Shore Based Spares																				
2.1) Shore Based Spares	A		-	-	-	-	-	3.000	-	-	2.200	-	-	3.024	-	-	-	-	-	3.024
Subtotal: 2) CJ020 - Shore Based Spares			-	-	0.000	-	-	3.000	-	-	2.200	-	-	3.024	-	-	-	-	-	3.024
Total			-	-	0.000	-	-	4.200	-	-	2.200	-	-	3.871	-	-	-	-	-	3.871

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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 / 01 / 9						P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment						Aggregated Items Title: LPD Class Support Equipment								
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) CJ010 - Schoolhouse TTE																				
1.1) Schoolhouse TTE	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) CJ010 - Schoolhouse TTE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) CJ020 - Shore Based Spares																				
2.1) Shore Based Spares	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) CJ020 - Shore Based Spares			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment	Modification Number / Title: 1 / CJ030 - HW/SW Obsolescence

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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1.000	5.941	4.333	11.369	-	11.369	6.310	3.568	7.782	21.653	50.287	112.243
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	1.000	5.941	4.333	11.369	-	11.369	6.310	3.568	7.782	21.653	50.287	112.243
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1.000	5.941	4.333	11.369	-	11.369	6.310	3.568	7.782	21.653	50.287	112.243
(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)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

[HW/SW Obsolescence] HW/SW Obsolescence effort addresses hardware obsolescence/technology refreshment issues, and class upgrades focused on increased capabilities, force protection, and safety. Funding will support procurement of hardware and software changes to the systems listed:

- Command Information Display System (CIDS) 23TV- Replace projectors with LED Projectors
- Engineering Control Systems (ECS)- Windows XP upgrade
- Ship Control Systems (SCS)- Windows XP upgrade/ SCS Tech Refresh, Digital Rudder Angle Display Information System (DRADIS)
- Magnetic Signature Control System (MSCS)- Windows XP upgrade
- Wire-free Portable Communication System (WPCS)- WPCS Radio upgrade, Ultra High Frequency (UHF)/ Very High Frequency (VHF) Linker, Uninterruptable Power Supply (UPS) Upgrade, Low Power Amplifier Upgrade.
- 27TV- 27TV System Upgrade
- Advanced Fire and Smoke Sensor System (AFSS)-AFSS System Upgrade.
- Integrated Voice Communication System (IVCS)- IVCS system upgrades (local cutout switches, AFT lookout comm mod, obsolete terminal replacement, FWD/AFT KITE), Software version 7.2.2, FWD/AFT Main Cross Connect Frame (MCCF) .
- 1MC Announcing System-Digital Microphone Control Station1MC improvements
- Navigational Data Distribution System (NDDS)

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment				Modification Number / Title: 1 / CJ030 - HW/SW Obsolescence					
Models of Systems Affected: HW/SW Obsolescence			Modification Type: [No Modification Type Specified]					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: CJ030 - HW/SW Obsolescence													
B Kits													
Recurring													
1.1.1) HW/SW Obsolescence - NonOrganic ⁽¹⁾	- / 1.000	27 / 5.941	15 / 2.254	32 / 9.933	- / -	32 / 9.933	9 / 2.656	5 / 1.249	7 / 6.721	12 / 14.699	14 / 17.487	121 / 61.940	
Subtotal: Recurring	- / 1.000	- / 5.941	- / 2.254	- / 9.933	- / -	- / 9.933	- / 2.656	- / 1.249	- / 6.721	- / 14.699	- / 17.487	- / 61.940	
Subtotal: CJ030 - HW/SW Obsolescence	- / 1.000	27 / 5.941	15 / 2.254	32 / 9.933	- / -	32 / 9.933	9 / 2.656	5 / 1.249	7 / 6.721	12 / 14.699	14 / 17.487	121 / 61.940	
Subtotal: Procurement, All Modification Items	- / 1.000	- / 5.941	- / 2.254	- / 9.933	- / -	- / 9.933	- / 2.656	- / 1.249	- / 6.721	- / 14.699	- / 17.487	- / 61.940	
Installation													
Modification Item 1 of 1: CJ030 - HW/SW Obsolescence	- / 0.000	- / -	- / 2.079	- / 1.436	- / -	- / 1.436	- / 3.654	- / 2.319	- / 1.061	- / 6.954	- / 32.800	- / 50.303	
Subtotal: Installation	- / 0.000	- / -	- / 2.079	- / 1.436	- / -	- / 1.436	- / 3.654	- / 2.319	- / 1.061	- / 6.954	- / 32.800	- / 50.303	
Total													
Total Cost (Procurement + Support + Installation)	1.000	5.941	4.333	11.369	-	11.369	6.310	3.568	7.782	21.653	50.287	112.243	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment	Modification Number / Title: 1 / CJ030 - HW/SW Obsolescence

Modification Item 1 of 1: CJ030 - HW/SW Obsolescence

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Raytheon Co.	Manufacturer Location: >San Diego, CA
Administrative Leadtime (in Months): 3	Production Leadtime (in Months): 8

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

Installation Information

Method of Implementation: AIT : Installation Name: HW/SW Obsolescence

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	- / -	- / -	26 / 2.079	1 / 0.096	- / -	1 / 0.096	- / -	- / -	- / -	- / -	- / -	27 / 2.175
FY 2014	- / -	- / -	- / -	15 / 1.340	- / -	15 / 1.340	- / -	- / -	- / -	- / -	- / -	15 / 1.340
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	32 / 3.654	- / -	- / -	- / -	- / -	32 / 3.654
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 2.319	- / -	- / -	- / -	9 / 2.319
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.061	- / -	- / -	5 / 1.061
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 6.954	- / -	7 / 6.954
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 16.000	12 / 16.000
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 16.800	14 / 16.800
Total	- / -	- / -	26 / 2.079	16 / 1.436	- / -	16 / 1.436	32 / 3.654	9 / 2.319	5 / 1.061	7 / 6.954	26 / 32.800	121 / 50.303

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	-	-	-	-	-	6	-	1	11	9	2	6	7	-	24	-	8	2	6	-	1	-	5	-	-	1	3	2	1	26	121
Out	-	-	-	-	-	-	-	6	1	18	9	2	6	-	-	18	6	8	2	6	-	1	-	5	-	-	1	3	2	27	121

Footnotes:

(1) Rationale for the FY13 procured units is support of (3) ship sets of equipment on (3) FY14 availabilities (LPD 17, 18, and 19); each ship set varies in composition based on individual hull's configurations. After procurement was initiated for LPD 19, the availability/install was shifted to FY15. Rationale for the FY14 procured units is support of (2) ship sets of equipment on (2) FY15 availabilities (LPD 20 and 22); each ship set varies in composition based on individual hull's configurations. Rationale for the FY15 procured units is support of (4) ship sets of equipment on (4) FY16 availabilities (LPD 17, 21, 23, and 24); each ship set varies in composition based on individual hull's configurations.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment	Modification Number / Title: 2 / CJ040 HM&E Electrical Modifications

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>)	0.000	-	-	-	-	-	0.748	3.366	6.358	5.236	0.748	16.456
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	0.748	3.366	6.358	5.236	0.748	16.456
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	0.748	3.366	6.358	5.236	0.748	16.456

(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:

[HM&E Electrical Upgrades] HME Modernization funding is provided to correct mission, safety and reliability, issues on electrical systems and ultimately resolve maintenance intensive system concerns. HM&E Electrical Modifications include:
SWAN UPS- Space Based UPS Reduction

Funding for system design and development to include Non-Recurring Engineering (NRE) and First Article Procurement and Testing required two year prior to first install.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment				Modification Number / Title: 2 / CJ040 HM&E Electrical Modifications					
Models of Systems Affected: HM&E Electrical Modifications				Modification Type: [No Modification Type Specified]				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: CJ040 HM&E Electrical Modifications													
B Kits													
Recurring													
1.1.1) HM&E Electrical Upgrades - NonOrganic ⁽²⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.748	2 / 3.366	6 / 4.862	1 / 0.748	- / -	9 / 9.724	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.748	- / 3.366	- / 4.862	- / 0.748	- / -	- / 9.724	
Subtotal: CJ040 HM&E Electrical Modifications	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.748	2 / 3.366	6 / 4.862	1 / 0.748	- / -	9 / 9.724	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.748	- / 3.366	- / 4.862	- / 0.748	- / -	- / 9.724	
Installation													
Modification Item 1 of 1: CJ040 HM&E Electrical Modifications	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.496	- / 4.488	- / 0.748	- / 6.732	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.496	- / 4.488	- / 0.748	- / 6.732	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	0.748	3.366	6.358	5.236	0.748	16.456	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment										Modification Number / Title: 2 / CJ040 HM&E Electrical Modifications											
Modification Item 1 of 1: CJ040 HM&E Electrical Modifications																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Various															Manufacturer Location: >Various																
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 8																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Apr 2013				Feb 2014																									
Delivery Dates		Dec 2013				Nov 2014																									
Installation Information																															
Method of Implementation: AIT : Installation Name: HM&E Electrical Upgrades																															
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								
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>								
Prior Years		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 1.496		- / -		- / -		2 / 1.496							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 4.488		- / -		6 / 4.488							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.748		1 / 0.748							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 1.496		6 / 4.488		1 / 0.748		9 / 6.732							
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	2	2	1	9
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1	2	3	9
Footnotes: ⁽²⁾ HM&E Mod package fluctuates from year to year according to the LPD avail schedule; cost estimates dependent on the ship configuration for the avails during specific years and the magnitude of modification required during the availability. HM&E Mod (Electrical, Survivability, Mechanical/ Auxiliary): Procurement and install of equipment for (17) different mission critical systems, and (19) different alterations (each with varying scope and hull applicability based on ship configurations on 11 ships)																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment	Modification Number / Title: 3 / CJ050 - HM&E Survivability Modifications

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>)	0.000	0.048	0.072	0.508	-	0.508	1.590	3.778	4.643	3.488	1.163	15.290
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	0.048	0.072	0.508	-	0.508	1.590	3.778	4.643	3.488	1.163	15.290
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.048	0.072	0.508	-	0.508	1.590	3.778	4.643	3.488	1.163	15.290
<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:

[HM&E Survivability Modifications] HME Modernization funding is provided to correct mission, safety and reliability, issues on HM&E systems (impacting ship survivability) and ultimately resolve maintenance intensive system concerns. HM&E Survivability Modifications include:
Halocarbon Monitor Upgrade, Damage Control Action Management System (DCAMS) 1.1 upgrade, Smoke Ejection System (SES) Redesign, Night Vision Device (NVD) Well Deck Upgrades, Composite Ventilation Louvers and Screens.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment				Modification Number / Title: 3 / CJ050 - HM&E Survivability Modifications					
Models of Systems Affected: HM&E Survivability Modifications				Modification Type: [No Modification Type Specified]				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: CJ050 - HM&E Survivability Modifications													
B Kits													
Recurring													
1.1.1) HM&E Survivability Modifications - NonOrganic ⁽³⁾	- / -	1 / 0.048	- / 0.040	1 / 0.508	- / -	1 / 0.508	3 / 1.510	5 / 2.922	9 / 3.335	6 / 0.306	3 / 0.505	28 / 9.174	
Subtotal: Recurring	- / 0.000	- / 0.048	- / 0.040	- / 0.508	- / -	- / 0.508	- / 1.510	- / 2.922	- / 3.335	- / 0.306	- / 0.505	- / 9.174	
Subtotal: CJ050 - HM&E Survivability Modifications	- / -	1 / 0.048	- / 0.040	1 / 0.508	- / -	1 / 0.508	3 / 1.510	5 / 2.922	9 / 3.335	6 / 0.306	3 / 0.505	28 / 9.174	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 0.048	- / 0.040	- / 0.508	- / -	- / 0.508	- / 1.510	- / 2.922	- / 3.335	- / 0.306	- / 0.505	- / 9.174	
Installation													
Modification Item 1 of 1: CJ050 - HM&E Survivability Modifications	- / 0.000	- / -	- / 0.032	- / -	- / -	- / -	- / 0.080	- / 0.856	- / 1.308	- / 3.182	- / 0.658	- / 6.116	
Subtotal: Installation	- / 0.000	- / -	- / 0.032	- / -	- / -	- / -	- / 0.080	- / 0.856	- / 1.308	- / 3.182	- / 0.658	- / 6.116	
Total													
Total Cost (Procurement + Support + Installation)	0.000	0.048	0.072	0.508	-	0.508	1.590	3.778	4.643	3.488	1.163	15.290	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment	Modification Number / Title: 3 / CJ050 - HM&E Survivability Modifications

Modification Item 1 of 1: CJ050 - HM&E Survivability Modifications

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Various				Manufacturer Location: >Various			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 8			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Apr 2013						
Delivery Dates	Dec 2013						

Installation Information

Method of Implementation: AIT : Installation Name: HM&E Survivability Modifications

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 / 0.032	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.032
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.080	- / -	- / -	- / -	- / -	1 / 0.080
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.856	- / -	- / -	- / -	3 / 0.856
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.308	- / -	- / -	5 / 1.308
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 3.182	- / -	9 / 3.182
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.658	6 / 0.658
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / -	3 / -
Total	- / -	- / -	1 / 0.032	- / -	- / -	- / -	1 / 0.080	3 / 0.856	5 / 1.308	9 / 3.182	9 / 0.658	28 / 6.116

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	-	-	2	-	-	1	-	3	2	-	2	3	2	2	9	28
Out	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	2	-	-	1	-	3	2	-	2	3	2	11	28

Footnotes:

⁽³⁾ HM&E Mod package fluctuates from year to year according to the LPD avail schedule; cost estimates dependent on the ship configuration for the avails during specific years and the magnitude of modification required during the availability. HM&E Mod (Electrical, Survivability, Mechanical/ Auxiliary): Procurement and install of equipment for (17) different mission critical systems, and (19) different alterations (each with varying scope and hull applicability based on ship configurations on 11 ships).

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment	Modification Number / Title: 4 / CJ060 - HM&E Mechanical/Auxiliary Modifications

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>)	0.000	6.546	12.820	27.202	-	27.202	27.943	33.961	37.164	37.606	21.157	204.399
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	6.546	12.820	27.202	-	27.202	27.943	33.961	37.164	37.606	21.157	204.399
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	6.546	12.820	27.202	-	27.202	27.943	33.961	37.164	37.606	21.157	204.399
(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:

[HM&E Mechanical/Auxiliary Modifications] HME Modernization funding is provided to correct mission, safety and reliability, issues on mechanical and auxiliary systems and ultimately resolve maintenance intensive system concerns. HM&E Mechanical/Auxiliary Modifications include:
Mide Bulkhead Shaft Seal, Helo Hangar Door Control Modifications, VCHT Ejector Pump PLC Upgrade, 2nd Pass Reverse Osmosis (RO) Unit Upgrade, RO Unit Potable Water EDG Recirculation Capability, Aviation Maintenance Bridge Crane Replacement, Knuckleboom Crane Improvements, Geislinger Coupling Improvements, Scullery Improvements and Gaylord System Improvements.

Funding for system design and development to include Non-Recurring Engineering (NRE) and First Article Procurement and Testing required two year prior to first install.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment				Modification Number / Title: 4 / CJ060 - HM&E Mechanical/Auxiliary Modifications					
Models of Systems Affected: HM&E Mechanical/ Auxiliary Modifications				Modification Type: [No Modification Type Specified]				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: CJ060 - HM&E Mechanical/ Auxiliary Modifications													
B Kits													
Recurring													
1.1.1) HM&E Mechanical/Auxiliary Modifications - NonOrganic ⁽⁴⁾	- / -	- / 6.546	2 / 12.820	17 / 23.612	- / -	17 / 23.612	18 / 19.270	13 / 18.447	45 / 25.363	17 / 5.844	17 / 5.655	129 / 117.557	
Subtotal: Recurring	- / 0.000	- / 6.546	- / 12.820	- / 23.612	- / -	- / 23.612	- / 19.270	- / 18.447	- / 25.363	- / 5.844	- / 5.655	- / 117.557	
Subtotal: CJ060 - HM&E Mechanical/Auxiliary Modifications	- / -	- / 6.546	2 / 12.820	17 / 23.612	- / -	17 / 23.612	18 / 19.270	13 / 18.447	45 / 25.363	17 / 5.844	17 / 5.655	129 / 117.557	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 6.546	- / 12.820	- / 23.612	- / -	- / 23.612	- / 19.270	- / 18.447	- / 25.363	- / 5.844	- / 5.655	- / 117.557	
Installation													
Modification Item 1 of 1: CJ060 - HM&E Mechanical/ Auxiliary Modifications	- / 0.000	- / -	- / -	- / 3.590	- / -	- / 3.590	- / 8.673	- / 15.514	- / 11.801	- / 31.762	- / 15.502	- / 86.842	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 3.590	- / -	- / 3.590	- / 8.673	- / 15.514	- / 11.801	- / 31.762	- / 15.502	- / 86.842	
Total													
Total Cost (Procurement + Support + Installation)	0.000	6.546	12.820	27.202	-	27.202	27.943	33.961	37.164	37.606	21.157	204.399	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment	Modification Number / Title: 4 / CJ060 - HM&E Mechanical/Auxiliary Modifications

Modification Item 1 of 1: CJ060 - HM&E Mechanical/Auxiliary Modifications

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Various	Manufacturer Location: >Various
Administrative Leadtime (in Months): 1	Production Leadtime (in Months): 8

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

Installation Information

Method of Implementation: AIT : Installation Name: HM&E Mechanical/Auxiliary Modifications

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	- / -	- / -	- / -	2 / 3.590	- / -	2 / 3.590	- / -	- / -	- / -	- / -	- / -	2 / 3.590
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	15 / 8.673	2 / 1.551	- / -	- / -	- / -	17 / 10.224
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 13.963	- / -	- / -	- / -	18 / 13.963
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 11.801	- / -	- / -	13 / 11.801
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 31.762	- / -	45 / 31.762
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 7.751	17 / 7.751
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 7.751	17 / 7.751
Total	- / -	- / -	- / -	2 / 3.590	- / -	2 / 3.590	15 / 8.673	20 / 15.514	13 / 11.801	45 / 31.762	34 / 15.502	129 / 86.842

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	-	11	-	4	13	-	3	4	-	8	5	-	6	8	13	18	34	129
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	4	7	4	13	-	3	4	-	8	5	-	6	8	13	52	129

Footnotes:

⁽⁴⁾ HM&E Mod package fluctuates from year to year according to the LPD Avail schedule; cost estimates dependent on the ship configuration for the avails during specific years and the magnitude of modification required during the availability. HM&E Mod (Electrical, Survivability, Mechanical/ Auxiliary): Procurement and install of equipment for (17) different mission critical systems, and (19) different alterations (each with varying scope and hull applicability based on ship configurations on 11 ships).

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment	Modification Number / Title: 5 / CJ070 SWAN-CANES Integration

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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	9.100	1.000	6.145	-	6.145	13.594	17.997	2.950	3.001	-	53.787
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	9.100	1.000	6.145	-	6.145	13.594	17.997	2.950	3.001	-	53.787
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	9.100	1.000	6.145	-	6.145	13.594	17.997	2.950	3.001	-	53.787
(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)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

[SWAN-CANES Integration] The results of the Ship Wide Area Network (SWAN)/ Consolidated Afloat Networks and Enterprise Services (CANES) study provided an updated configuration and use of the LPD 17 Class network systems. SWAN modification funding is provided for converting SWAN to an HM&E only network in support of CANES installation and also to address SWAN obsolescence, tech refresh, reliability issues, and synergistically resolves SWAN performance concerns. These modifications can include up to six distinct updates that can be combined or separated to accommodate the individual ships' schedules and at least one ship does not require all modifications due to current configuration.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment				Modification Number / Title: 5 / CJ070 SWAN-CANES Integration					
Models of Systems Affected: LPD 17 Class SWAN-CANES Integration				Modification Type: [No Modification Type Specified]				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: CJ070 SWAN-CANES Integration													
B Kits													
Recurring													
1.1.1) SWAN-CANES Integration - NonOrganic	- / -	4 / 9.100	- / -	9 / 3.167	- / -	9 / 3.167	13 / 10.417	3 / 10.044	1 / 0.962	1 / 0.971	- / -	31 / 34.661	
Subtotal: Recurring	- / 0.000	- / 9.100	- / -	- / 3.167	- / -	- / 3.167	- / 10.417	- / 10.044	- / 0.962	- / 0.971	- / -	- / 34.661	
Non-Recurring													
1.2.1) SWAN-CANES Integration - Organic	- / -	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000	
Subtotal: CJ070 SWAN-CANES Integration	- / -	4 / 9.100	- / 1.000	9 / 3.167	- / -	9 / 3.167	13 / 10.417	3 / 10.044	1 / 0.962	1 / 0.971	- / -	31 / 35.661	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 9.100	- / 1.000	- / 3.167	- / -	- / 3.167	- / 10.417	- / 10.044	- / 0.962	- / 0.971	- / -	- / 35.661	
Installation													
Modification Item 1 of 1: CJ070 SWAN-CANES Integration	- / 0.000	- / -	- / -	- / 2.978	- / -	- / 2.978	- / 3.177	- / 7.953	- / 1.988	- / 2.030	- / -	- / 18.126	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 2.978	- / -	- / 2.978	- / 3.177	- / 7.953	- / 1.988	- / 2.030	- / -	- / 18.126	
Total													
Total Cost (Procurement + Support + Installation)	0.000	9.100	1.000	6.145	-	6.145	13.594	17.997	2.950	3.001	-	53.787	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0946 / LPD Class Support Equipment										Modification Number / Title: 5 / CJ070 SWAN-CANES Integration												
Modification Item 1 of 1: CJ070 SWAN-CANES Integration																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: Raytheon															Manufacturer Location: >San Diego, CA																	
Administrative Leadtime (in Months): 2															Production Leadtime (in Months): 5																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates						Apr 2014																										
Delivery Dates						Sep 2014																										
Installation Information																																
Method of Implementation: AIT : Installation Name: SWAN-CANES Integration																																
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)											
Prior Years		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
FY 2013		- / -	4 / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / -									
FY 2014		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
FY 2015		- / -	- / -		- / -		4 / 2.978		- / -		4 / 2.978		5 / 3.177		- / -		- / -		- / -		- / -		9 / 6.155									
FY 2016		- / -	- / -		- / -		- / -		- / -		- / -		- / -		13 / 5.964		- / -		- / -		- / -		13 / 5.964									
FY 2017		- / -	- / -		- / -		- / -		- / -		- / -		- / -		2 / 1.989		1 / 1.988		- / -		- / -		3 / 3.977									
FY 2018		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 2.030		- / -		1 / 2.030									
FY 2019		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / -		1 / -									
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -									
Total		- / -	4 / -		- / -		4 / 2.978		- / -		4 / 2.978		5 / 3.177		15 / 7.953		1 / 1.988		1 / 2.030		1 / -		31 / 18.126									
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	-	-	-	-	4	-	-	-	-	-	-	-	2	2	-	5	-	-	3	4	6	2	1	-	-	-	1	-	-	-	1	31
Out	-	-	-	-	-	4	-	-	-	-	-	-	-	2	2	-	5	-	-	3	4	6	2	1	-	-	-	1	-	-	1	31

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment							P-1 Line Item Number / Title: 0947 / DDG 1000 Class Support Equipment					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 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>)	0.000	-	-	2.996	-	2.996	35.099	35.102	3.205	3.209	-	79.611
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	2.996	-	2.996	35.099	35.102	3.205	3.209	-	79.611
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	2.996	-	2.996	35.099	35.102	3.205	3.209	-	79.611
<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: DDG 1000, a multi-mission surface combatant, will serve as a versatile asset in the context of future Naval Strategy. Armed with an array of weapons, DDG 1000 will provide the Joint Force Commander with precision strike and volume fires. Designed with sustainable payload, multi-spectral stealth and optimal manning, DDG 1000 will take the fight to the enemy with unprecedented striking power. Program provides for DDG 1000 combat system hardware/equipment suite technology refresh to support obsolescence management and address reliability, maintainability & availability (RM&A) issues following fielding. Combat System hardware will be approaching 10 years of age at time of delivery for DDG 1000 and 1001. Active management of Commercial Off The Shelf (COTS) obsolescence via hardware/equipment technology refresh will be required to ensure DDG 1000 class ships reach their design service life. Additionally, program will sustain and upgrade in-service DDG 1000 ships in order to achieve their Expected Service Life (ESL). Upgrades will be mission capable in countering current and projected threats, improve operational capabilities, and comply with requirements. [P40A / DDG 1000 CLASS COMBAT SYSTEM PRODUCT IMPROVEMENT]: Funding will provide technology refresh of the technical baseline for all six data centers (2 per ship). DDG 1000 data centers enable shipboard integrated training and provide system redundancy in the event of operational casualty. Existing data center hardware will be approaching 10 years of age at time of delivery for DDG 1000 and 1001. Includes non-recurring engineering required to identify and qualify applicable obsolete DDG 1000 Class data center parts, prepare drawing updates (Lowest Replaceable Unit (LRU) & cabinet level), and prepare ILS updates (LRU & cabinet level). [P40A / DDG1000 CLASS HM&E PRODUCT IMPROVEMENT]: Funding will support ship alteration (Shipalt) prioritization, planning, programming, budgeting and execution through shipyard installations during availabilities. Other modernization support includes but is not limited to logistics and technical documentation, engineering services and Alteration Installation Team (AITs) within the Fleet Modernization Program (FMP).												

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment												P-1 Line Item Number / Title: 0947 / DDG 1000 Class Support Equipment									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:									
Exhibits Schedule			Prior Years			FY 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)	
DDG 1000 Class Support Equipment	P-40a		-	-	0.000	-	-	-	-	-	-	-	-	2.996	-	-	-	-	-	2.996	
Total Gross/Weapon System Cost			-	-	0.000	-	-	-	-	-	-	-	-	2.996	-	-	-	-	-	2.996	
*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.																					

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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 / 01 / 9								P-1 Line Item Number / Title: 0947 / DDG 1000 Class Support Equipment							Aggregated Items Title: DDG 1000 Class 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	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) DDG 1000 Class Support Equipment																				
1.1) DDG 1000 CLASS COMBAT SYSTEM PRODUCT IMPROVEMENT	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) DDG1000 CLASS HM&E PRODUCT IMPROVEMENT	A		-	-	-	-	-	-	-	-	-	-	-	2.996	-	-	-	-	-	2.996
Subtotal: 1) DDG 1000 Class Support Equipment			-	-	0.000	-	-	-	-	-	-	-	-	2.996	-	-	-	-	-	2.996
Total			-	-	0.000	-	-	-	-	-	-	-	-	2.996	-	-	-	-	-	2.996

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment						P-1 Line Item Number / Title: 0950 / Strategic Platform Support Equip						
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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	76.664	14.565	12.986	11.558	-	11.558	14.650	14.688	14.420	14.711	4.690	178.932
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	76.664	14.565	12.986	11.558	-	11.558	14.650	14.688	14.420	14.711	4.690	178.932
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	76.664	14.565	12.986	11.558	-	11.558	14.650	14.688	14.420	14.711	4.690	178.932
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
# The FY 2015 OCO Request will be submitted at a later date.												
Description:												
Funding in this P-1 line provides for the procurement of tactical Hull, Mechanical and Electrical (HM&E) equipment that will be installed aboard ships and in the facilities at the TRIDENT Refit Facility (TRIREFFAC), Navy Intermediate Maintenance Facility (NAVIMFAC) and TRIDENT Training Facility (TRITRAFAC). The TRIDENT Refit Facility and Navy Intermediate Maintenance Facility (NAVIMFAC) are dedicated shore support facilities providing a full range of industrial support. The TRITRAFAC provides the crews for the SSBN 726 Class Submarines with realistic training experience in operating and maintaining shipboard equipment.												
[P40A / HH009 EQUIPMENT HM&E & SWS/SS ALTERATION]: This provides for the replacement of obsolete equipment on board of SSBN 726 Class Submarines and at dedicated Shore Support Facilities (TLCSF, TRITRAFAC (B), NAVIMFAC (B), TRITRAFAC (KB), TRIREFFAC (KB), Major Shore Spares (MSS)). These alterations are necessary in order to replace obsolete/outdated equipment with new equipment to maintain or increase mission capabilities, replace or modify components/systems which have proven to be unreliable, correct design and safety problems and reduce fleet maintenance burdens. Funds provide for multiple efforts to ensure that the OHIO Class Ship Control Subsystem, both hardware and software components, support the extended life of the OHIO Class submarine platforms. In FY99 and again in FY06 a NUWC KEYPORT study identified a number of obsolete electronic components in the Ship Control Station (27 out of 107) that are no longer available. The FY06 study recommended that the Ship Control ISEA develop and execute a program that would address the near term obsolescence issues and ensure the continued availability of the subsystem in the out years. Alterations and actions are done at the lowest practicable and authorized level (taking into consideration urgency, priority, capability, capacity and cost). Alterations to SSBN 726 Class Submarines are scheduled for accomplishment at the TRIREFFAC, Kings Bay and NAVIMFAC, Bangor. This requires equipment procurement and installation, technical planning, training, and associated resources. This line provides for material procurement necessary to install the required alterations to SSBN 726 Class Submarines at the NAVIMFAC, Bangor, and the TRIREFFAC, Kings Bay. Additionally, this line provides for the utilization of specially trained and dedicated installation teams to ensure accelerated and correct installation of complex and high priority alterations within specific time frames. Provided are comprehensive program management and execution, including planning, direction, control, installation, integration, and coordination of specifically selected safety related, mission enhancement or technical HM&E alterations. Starting in FY12, SSBN SWSS OER Upgrades are planned for Ventilation Alarm Monitoring Panel (VAMP) and the Missile Heating and Cooling Proportional Controllers. Both upgrades are required to support Strategic Programs' SWS Integration program (Mod6/Mod7) which replaces the current Launcher, Fire Control and Weapons Support electronics.												
[P40A / HH012 EQUIPMENT HM&E TRIDENT ENGINEERING AVAILABILITY]: TRIDENT Engineered Availability (EA) material support funding is required to provide replacement and contingency material to support the critical path schedule during the SSBN 726 Class Submarine Engineered Availabilities (EAs) commencing in FY93 and continuing through the operational life of the submarine. Funding is also required to formulate or procure complex tools and fixtures required to reduce EA scheduled durations. This program also provides funding for installation of Depot level alterations packages, Quality Assurance (QA) oversight and certification by Supervisor Of Shipbuilding, Groton (SOS Groton) of OPN shipalts performed by Electric Boat Corporation (EB), Liaison Action Requests and Selected Record Drawings (LAR/ SRD) mark ups for Shipalt related work, NUWC Newport test support and deck plate coordination of Alteration Installation Team (AIT) work for Extended Refit Periods (ERPs)/ modernization periods.												

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0950 / Strategic Platform Support Equip									
ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:					Other Related Program Elements:									

[P40A / HH0GN SSGN MODIFICATIONS]: Provides for procurement of SSGN unique system components that will be installed during planned modernization periods. Also provides funding to perform integrated testing of these unique systems to ensure satisfactory operation with other HM&E and Combat Systems. Beginning in FY11, funds are provided for procurement of Submarine Special Operations Forces (SOF) unique system components that will be installed during planned modernization periods.

[P40A / SOF HH0GN]: Additionally beginning in FY11, funds are provided for installation of Submarine Special Operations Forces (SOF) unique system components. Starting in FY12, installation of SSBN SWSS OER upgrades are planned for Ventilation Alarm Monitoring Panel (VAMP) and Missile Heating and Cooling Proportional Controllers. Starting in FY14, installation of SSBN/SSGN Ship Control Station (SCS) OER upgrades.

[P3A - 3 / SSTG ROTORS OHIO CLASS PROCUREMENT]: Provides for the procurement of material and manufacturing of Ships Service Turbine Generator (SSTG) Rotors on OHIO Class submarines. This cost code was established for FY10. This is due to shifting Engineered Refueling Overhauls (EROs) beginning in FY10 from SCN funding to O&MN, OPN, and WPN funding. This rotor effort used to be in the SSBN ERO SCN line and the transferred funding for this effort is OPN. Replaces both SSTG rotors (port and starboard). Rotor retaining rings and insufficient life of critical rotor internal components such as radial conductors, J-straps, rotor body tooth tops, and rotor winding transition area are primary liabilities limiting rotor set operational life. The older rotor design utilized retaining rings that are subject to stress, corrosion, and cracking when exposed to moisture. This stress corrosion and cracking could result in catastrophic failure resulting in personnel and ship safety concerns. Starting in FY12, the last procurement, a Major Shore Spare (MSS), is procured with no installation required.

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)
Strategic Platform Support Equip	P-40a		-	-	51.163	-	-	10.889	-	-	10.683	-	-	7.406	-	-	-	-	-	7.406
P-3a - 1 / EQUIPMENT HM&E SWS/SS ALTERATION SSBN SWSS OER UPGRADE	P-3a		-	-	2.665	-	-	0.946	-	-	0.939	-	-	0.941	-	-	-	-	-	0.941
P-3a - 2 / EQUIPMENT HM&E SWS/SS ALTERATION SCS SSBN/ SSGN PROC	P-3a		-	-	2.600	-	-	-	-	-	1.364	-	-	3.211	-	-	-	-	-	3.211
P-3a - 3 / SSTG ROTORS OHIO CLASS PROCUREMENT	P-3a		-	-	20.236	-	-	2.730	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	76.664	-	-	14.565	-	-	12.986	-	-	11.558	-	-	-	-	-	11.558
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)
Strategic Platform Support Equip	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment	P-1 Line Item Number / Title: 0950 / Strategic Platform Support Equip

ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:								
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			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)
P-3a - 1 / EQUIPMENT HM&E SWS/SS ALTERATION SSBN SWSS OER UPGRADE	P-3a		-	-	0.945	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.436
P-3a - 2 / EQUIPMENT HM&E SWS/SS ALTERATION SCS SSBN/ SSGN PROC	P-3a		-	-	7.796	-	-	8.687	-	-	7.356	-	-	7.778	-	-	4.421	-	-	43.213
P-3a - 3 / SSTG ROTORS OHIO CLASS PROCUREMENT	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.966
Total Gross/Weapon System Cost			-	-	14.650	-	-	14.688	-	-	14.420	-	-	14.711	-	-	4.690	-	-	178.932

*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.

Justification:

Reduction in FY13 funding is due to sequestration.

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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 / 01 / 9						P-1 Line Item Number / Title: 0950 / Strategic Platform Support Equip									Aggregated Items Title: Strategic Platform Support Equip ⁽¹⁾					
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) HH009 EQUIPMENT HM&E & SWS/SS ALTERATION																				
1.1) SCS PY SHIPALT DEV	A		-	-	17.629	-	-	6.919	-	-	6.139	-	-	3.421	-	-	-	-	-	3.421
Subtotal: 1) HH009 EQUIPMENT HM&E & SWS/SS ALTERATION			-	-	17.629	-	-	6.919	-	-	6.139	-	-	3.421	-	-	-	-	-	3.421
2) HH012 EQUIPMENT HM&E TRIDENT ENGINEERING AVAILABILITY																				
2.1) SHIPALT INSTALLATION AND ENGINEERING SERVICES	A		5,631K	2	11.262	1,354K	1	1.354	1,581K	1	1.581	1,335K	1	1.335	-	-	-	1,335K	1	1.335
2.2) CCS EQUIPMENT REFURBISHMENT & SHIPBOARD TESTING	A		4,846K	2	9.693	1,096K	1	1.096	1,279K	1	1.279	1,081K	1	1.081	-	-	-	1,081K	1	1.081
2.3) HM&E EQUIPMENT REFURBISHMENT & SHIPBOARD TESTING	A		3,014K	2	6.028	774,000.00	1	0.774	903,000.00	1	0.903	763,000.00	1	0.763	-	-	-	763,000.00	1	0.763
Subtotal: 2) HH012 EQUIPMENT HM&E TRIDENT ENGINEERING AVAILABILITY			-	-	26.983	-	-	3.224	-	-	3.763	-	-	3.179	-	-	-	-	-	3.179
3) HH0GN SSGN MODIFICATIONS																				
3.1) SOF UPGRADES	A		-	-	1.194	-	-	0.488	-	-	0.503	-	-	0.519	-	-	-	-	-	0.519
Subtotal: 3) HH0GN SSGN MODIFICATIONS			-	-	1.194	-	-	0.488	-	-	0.503	-	-	0.519	-	-	-	-	-	0.519
4) SOF HH0GN ⁽²⁾																				
4.1) SOF UPGRADES	A		-	-	1.719	-	-	0.258	-	-	0.278	-	-	0.287	-	-	-	-	-	0.287
Subtotal: 4) SOF HH0GN			-	-	1.719	-	-	0.258	-	-	0.278	-	-	0.287	-	-	-	-	-	0.287
5) HH013 SSTG Rotor MSS ⁽³⁾																				
5.1) OHIO CLASS PROCUREMENT MSS	A		3,638K	1	3.638	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) HH013 SSTG Rotor MSS			-	-	3.638	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	51.163	-	-	10.889	-	-	10.683	-	-	7.406	-	-	-	-	-	7.406

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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 / 01 / 9									P-1 Line Item Number / Title: 0950 / Strategic Platform Support Equip							Aggregated Items Title: Strategic Platform Support Equip ⁽¹⁾					
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) HH009 EQUIPMENT HM&E & SWS/SS ALTERATION																					
1.1) SCS PY SHIPALT DEV	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: 1) HH009 EQUIPMENT HM&E & SWS/SS ALTERATION</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2) HH012 EQUIPMENT HM&E TRIDENT ENGINEERING AVAILABILITY																					
2.1) SHIPALT INSTALLATION AND ENGINEERING SERVICES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.2) CCS EQUIPMENT REFURBISHMENT & SHIPBOARD TESTING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.3) HM&E EQUIPMENT REFURBISHMENT & SHIPBOARD TESTING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: 2) HH012 EQUIPMENT HM&E TRIDENT ENGINEERING AVAILABILITY</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3) HH0GN SSGN MODIFICATIONS																					
3.1) SOF UPGRADES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: 3) HH0GN SSGN MODIFICATIONS</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4) SOF HH0GN ⁽²⁾																					
4.1) SOF UPGRADES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: 4) SOF HH0GN</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5) HH013 SSTG Rotor MSS ⁽³⁾																					
5.1) OHIO CLASS PROCUREMENT MSS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: 5) HH013 SSTG Rotor MSS</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Footnotes:																					

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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 / 01 / 9	P-1 Line Item Number / Title: 0950 / Strategic Platform Support Equip	Aggregated Items Title: Strategic Platform Support Equip ⁽¹⁾
⁽¹⁾ Reduction in FY13 funding is due to sequestration. ⁽²⁾ Beginning in FY11, funds are provided for installation of Submarine Special Operations Forces (SOF) unique system components. ⁽³⁾ Provides for the installation of SSTG Rotors on the OHIO Class Submarines, FY12-13.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0950 / Strategic Platform Support Equip	Modification Number / Title: 1 / EQUIPMENT HM&E SWS/SS ALTERATION SSBN SWSS OER UPGRADE

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>	2.665	0.946	0.939	0.941	-	0.941	0.945	-	-	-	-	6.436
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	2.665	0.946	0.939	0.941	-	0.941	0.945	-	-	-	-	6.436
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	2.665	0.946	0.939	0.941	-	0.941	0.945	-	-	-	-	6.436
<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:

Strategic Weapons System Support Systems (SWSS) OER issues involving the Ventilation Alarm and Monitoring Panel (VAMP) and the Missile Heating and Cooling Proportional Controllers. Both upgrades are required to support Strategic Programs' SWS Integration program (Mod6/Mod7) which replaces the current Launcher, Fire Control and Weapons Support electronics.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0950 / Strategic Platform Support Equip						Modification Number / Title: 1 / EQUIPMENT HM&E SWS/SS ALTERATION SSBN SWSS OER UPGRADE			
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> EQUIPMENT HM&E SWS/ SS ALTERATION SSBN SWSS OER UPGRADE													
B Kits													
Recurring													
1.1.1) EQUIPMENT HM&E & SSWS/SS ALTERATION SSBN SWSSOER UPGRADE - NonOrganic	4 / 1.500	2 / 0.500	2 / 0.500	2 / 0.500	- / -	2 / 0.500	2 / 0.500	- / -	- / -	- / -	- / -	12 / 3.500	
<i>Subtotal: Recurring</i>	- / 1.500	- / 0.500	- / 0.500	- / 0.500	- / -	- / 0.500	- / 0.500	- / -	- / -	- / -	- / -	- / 3.500	
<i>Subtotal: EQUIPMENT HM&E SWS/SS ALTERATION SSBN SWSS OER UPGRADE</i>	4 / 1.500	2 / 0.500	2 / 0.500	2 / 0.500	- / -	2 / 0.500	2 / 0.500	- / -	- / -	- / -	- / -	12 / 3.500	
<i>Subtotal: Procurement, All Modification Items</i>	- / 1.500	- / 0.500	- / 0.500	- / 0.500	- / -	- / 0.500	- / 0.500	- / -	- / -	- / -	- / -	- / 3.500	
Installation													
<i>Modification Item 1 of 1:</i> EQUIPMENT HM&E SWS/SS ALTERATION SSBN SWSS OER UPGRADE	- / 1.165	- / 0.446	- / 0.439	- / 0.441	- / -	- / 0.441	- / 0.445	- / -	- / -	- / -	- / -	- / 2.936	
<i>Subtotal: Installation</i>	- / 1.165	- / 0.446	- / 0.439	- / 0.441	- / -	- / 0.441	- / 0.445	- / -	- / -	- / -	- / -	- / 2.936	
Total													
Total Cost (Procurement + Support + Installation)	2.665	0.946	0.939	0.941	-	0.941	0.945	-	-	-	-	6.436	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0950 / Strategic Platform Support Equip	Modification Number / Title: 1 / EQUIPMENT HM&E SWS/SS ALTERATION SSBN SWSS OER UPGRADE

Modification Item 1 of 1: EQUIPMENT HM&E SWS/SS ALTERATION SSBN SWSS OER UPGRADE

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Electric Boat Manufacturer Location: >Groton, CT

Administrative Leadtime (in Months): 0 Production Leadtime (in Months): 4

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

Installation Information

Method of Implementation: [none specified] : Installation Name: EQUIPMENT HM&E & SSWS/SS ALTERATION SSBN SWSSOER UPGRADE

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	4 / 1.165	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.165
FY 2013	- / -	2 / 0.446	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.446
FY 2014	- / -	- / -	2 / 0.439	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.439
FY 2015	- / -	- / -	- / -	2 / 0.441	- / -	2 / 0.441	- / -	- / -	- / -	- / -	- / -	2 / 0.441
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.445	- / -	- / -	- / -	- / -	2 / 0.445
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 1.165	2 / 0.446	2 / 0.439	2 / 0.441	- / -	2 / 0.441	2 / 0.445	- / -	- / -	- / -	- / -	12 / 2.936

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	4	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Out	4	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	12

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0950 / Strategic Platform Support Equip	Modification Number / Title: 2 / EQUIPMENT HM&E SWS/SS ALTERATION SCS SSBN/SSGN PROC

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>)	2.600	-	1.364	3.211	-	3.211	7.796	8.687	7.356	7.778	4.421	43.213
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	2.600	-	1.364	3.211	-	3.211	7.796	8.687	7.356	7.778	4.421	43.213
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2.600	-	1.364	3.211	-	3.211	7.796	8.687	7.356	7.778	4.421	43.213

(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:

SSBN Ship Control Obsolete Equipment Replacement - Perform multiple efforts to ensure that the OHIO Class Ship Control Subsystem, both hardware and software components, support the extended life of the OHIO Class submarine platforms.

Note: Production lead-time for Ship Control System OER is 12 months except for the 2 units procured in FY12. These units in addition to the normal procurement lead-time will be used in the testing and certification program of the design of this safety of ship system. This testing and certification adds an additional 24 months of lead-time. These two units procured in FY12 have a total lead-time of 36 months and will be installed in FY15.

[EQUIPMENT HM&E SWS/SS ALTERATION SCS SSBN/SSGN PROC] Installations of this ShipAlt are accomplished during SSBN refits, SSBN Extended Refit Periods (ERP), SSGN Major Maintenance Periods (MMP), and SSBN Engineered Refueling Overhauls (ERO). Installations do not complete until the availability completes. Thus the installation duration ranges from 90 days for refit installations to 821 days for ERO installations.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0950 / Strategic Platform Support Equip						Modification Number / Title: 2 / EQUIPMENT HM&E SWS/SS ALTERATION SCS SSBN/SSGN PROC			
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> EQUIPMENT HM&E SWS/SS ALTERATION SCS SSBN/SSGN PROC													
B Kits													
Recurring													
1.1.1) EQUIPMENT HM&E SWS/SS ALTERATION SCS SSBN/SSGN PROC - NonOrganic	2 / 2.600	- / -	1 / 1.364	1 / 1.527	- / -	1 / 1.527	5 / 7.224	4 / 5.772	4 / 4.980	4 / 5.996	1 / 1.527	22 / 30.990	
1.1.2) SCS SSBN/SSGN INSTALLATION DSA - NonOrganic	- / -	- / -	- / -	- / 0.280	- / -	- / 0.280	- / 0.095	- / 0.485	- / 0.396	- / 0.202	- / 0.310	- / 1.768	
<i>Subtotal: Recurring</i>	- / 2.600	- / -	- / 1.364	- / 1.807	- / -	- / 1.807	- / 7.319	- / 6.257	- / 5.376	- / 6.198	- / 1.837	- / 32.758	
<i>Subtotal: EQUIPMENT HM&E SWS/SS ALTERATION SCS SSBN/SSGN PROC</i>	2 / 2.600	- / -	1 / 1.364	1 / 1.807	- / -	1 / 1.807	5 / 7.319	4 / 6.257	4 / 5.376	4 / 6.198	1 / 1.837	22 / 32.758	
<i>Subtotal: Procurement, All Modification Items</i>	- / 2.600	- / -	- / 1.364	- / 1.807	- / -	- / 1.807	- / 7.319	- / 6.257	- / 5.376	- / 6.198	- / 1.837	- / 32.758	
Installation													
<i>Modification Item 1 of 1:</i> EQUIPMENT HM&E SWS/SS ALTERATION SCS SSBN/SSGN PROC	- / 0.000	- / -	- / -	- / 1.404	- / -	- / 1.404	- / 0.477	- / 2.430	- / 1.980	- / 1.580	- / 2.584	- / 10.455	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / 1.404	- / -	- / 1.404	- / 0.477	- / 2.430	- / 1.980	- / 1.580	- / 2.584	- / 10.455	
Total													
Total Cost (Procurement + Support + Installation)	2.600	-	1.364	3.211	-	3.211	7.796	8.687	7.356	7.778	4.421	43.213	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0950 / Strategic Platform Support Equip										Modification Number / Title: 2 / EQUIPMENT HM&E SWS/SS ALTERATION SCS SSBN/SSGN PROC															
Modification Item 1 of 1: EQUIPMENT HM&E SWS/SS ALTERATION SCS SSBN/SSGN PROC																																			
Modification Item MDAP/MAIS Code:																																			
Manufacturer Information																																			
Manufacturer Name: Electric Boat													Manufacturer Location: >Groton, CT																						
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						Jul 2014					Jan 2015					Jan 2016					Jan 2017					Jan 2018					Jan 2019				
Delivery Dates						Jul 2015					Jan 2016					Jan 2017					Jan 2018					Jan 2019					Jan 2020				
Installation Information																																			
Method of Implementation: [none specified] : Installation Name: EQUIPMENT HM&E SWS/SS ALTERATION SCS SSBN/SSGN PROC																																			
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 / 0.936	- / 0.000	2 / 0.936	- / -	- / -	- / -	- / -	- / -	2 / 0.936																						
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2014		- / -	- / -	- / -	1 / 0.468	- / -	1 / 0.468	- / -	- / -	- / -	- / -	- / -	1 / 0.468																						
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.477	- / -	- / -	- / -	- / -	1 / 0.477																						
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.430	- / -	- / -	- / -	5 / 2.430																						
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.980	- / -	- / -	4 / 1.980																						
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.580	- / -	4 / 1.580																						
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 2.067	4 / 2.067																						
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.517	1 / 0.517																						
Total		- / -	- / -	- / -	3 / 1.404	- / -	3 / 1.404	1 / 0.477	5 / 2.430	4 / 1.980	4 / 1.580	5 / 2.584	22 / 10.455																						
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										
In	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	1	-	-	4	-	1	-	3	1	-	-	2	2	-	5	22				
Out	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	1	2	1	1	-	1	1	1	1	3	1	6	22				

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0950 / Strategic Platform Support Equip	Modification Number / Title: 3 / SSTG ROTORS OHIO CLASS PROCUREMENT

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>)	20.236	2.730	-	-	-	-	-	-	-	-	-	22.966
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	20.236	2.730	-	-	-	-	-	-	-	-	-	22.966
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	20.236	2.730	-	-	-	-	-	-	-	-	-	22.966
<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 SSTG Rotors replace obsolete SSTG Components that are reaching the end of their design life. This eliminates the potential for catastrophic failure. This includes procurement of 1 rotor (one half of a shipset) for a Major Shore Spare (MSS).

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9					P-1 Line Item Number / Title: 0950 / Strategic Platform Support Equip					Modification Number / Title: 3 / SSTG ROTORS OHIO CLASS PROCUREMENT			
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> SSTG ROTORS OHIO CLASS PROCUREMENT													
B Kits													
Recurring													
1.1.1) SSTG ROTORS OHIO CLASS PROCURMENT - NonOrganic ⁽⁴⁾	3 / 14.460	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 14.460	
<i>Subtotal: Recurring</i>	- / 14.460	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.460	
<i>Subtotal: SSTG ROTORS OHIO CLASS PROCUREMENT</i>	3 / 14.460	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 14.460	
<i>Subtotal: Procurement, All Modification Items</i>	- / 14.460	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.460	
Installation													
<i>Modification Item 1 of 1:</i> SSTG ROTORS OHIO CLASS PROCUREMENT	- / 5.776	- / 2.730	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.506	
<i>Subtotal: Installation</i>	- / 5.776	- / 2.730	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.506	
Total													
Total Cost (Procurement + Support + Installation)	20.236	2.730	-	-	-	-	-	-	-	-	-	22.966	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0950 / Strategic Platform Support Equip	Modification Number / Title: 3 / SSTG ROTORS OHIO CLASS PROCUREMENT

Modification Item 1 of 1: SSTG ROTORS OHIO CLASS PROCUREMENT

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Electric Boat				Manufacturer Location: >Groton, CT			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 24			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: [none specified] : Installation Name: SSTG ROTORS OHIO CLASS PROCURMENT

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 / 5.776	1 / 2.730	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 8.506
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 5.776	1 / 2.730	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 8.506

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	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Out	1	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3

Footnotes:

⁽⁴⁾ Reduction in FY13 funding is due to sequestration.

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment							P-1 Line Item Number / Title: 0955 / Deep Subm Sys Proj (DSSP) Equip					
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>)	129.457	3.336	2.455	5.518	-	5.518	5.376	3.028	3.091	3.156	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	129.457	3.336	2.455	5.518	-	5.518	5.376	3.028	3.091	3.156	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	129.457	3.336	2.455	5.518	-	5.518	5.376	3.028	3.091	3.156	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
# The FY 2015 OCO Request will be submitted at a later date. Description: The Submarine Escape and Rescue Program, formerly Deep Submergence Systems Program (DSSP), is responsible for the procurement, life cycle support, and improvement and modernization of assigned platforms and programs. The Submarine Escape and Rescue Program provides for the procurement of equipment to support the establishment and maintenance of fleet capability for a number of programs which perform submarine search and rescue, inspection, and object location and retrieval from the ocean environment. Submarine Escape and Rescue procurements replace obsolete, non-supportable equipment and subsystems through phased improvement and modernization projects. These projects may include special ship alterations, field change kits, and design corrections. SOURCES: The sources for these acquisitions are limited. There are few private companies actively engaged in deep ocean engineering and even fewer with the specialized experience, knowledge, and facilities to meet the exacting requirement of the Submarine Escape and Rescue Program. Accordingly, sole source contracts are sometimes required; however, where possible, contracting via open competition is utilized. REFERENCES: Acquisition Plans 584-87 Revision 7 approved August 2000. Acquisition plan for Submarine Escape and Rescue is reviewed twice annually by the Submarine Escape and Rescue Review Group (SERRG). [P40A / HJ030 - RESCUE SUPPORT EQUIPMENT]: INTERVENTION SYSTEMS (ATMOSPHERIC DIVING SYSTEM (ADS)/REMOTE OPERATED VEHICLE (ROV))/SUBMARINE RESCUE DIVING and RECOMPRESSION SYSTEM (SRDRS)/SUBMARINE RESCUE CHAMBER (SRC) Intervention assets (ADS/ROV) are required to support the SRDRS and SRC world-wide rescue capability mission. Intervention assets are used to clear disabled submarines seating surfaces, attach the SRC downhaul cable, attach salvage fittings, deliver emergency life support stores, and assess disabled submarines. The ADS is a modified COTS one-man, one atmosphere diving system. An initiative is in process to transition from the ADS manned system to an unmanned ROV to reduce operational risk; full transition is scheduled for FY16. SRC provides shallow water rescue capability. SRDRS is the deep water rescue vehicle and will be delivered in increments. The Submarine Rescue System-Rescue Capable System (SRS-RCS) completed OPEVAL in FY08 and is currently the deep water rescue ready vehicle for the U.S. Navy. The final component of SRDRS is Transfer Under Pressure (TUP) or Submarine Rescue System-Submarine Decompression System (SRS-SDS). Full Operational Capability (FOC) is scheduled for FY15. SURVIVABILITY This equipment will provide a more efficient CO2 removal capability giving the fleet an increase in survival time from 3 days to 7 days for a disabled submarine and adds state of the art atmospheric monitoring equipment aboard each submarine. [P40A / HJ100 - SUBMARINE ESCAPE & IMMERSION EQUIPMENT]: SUBMARINE ESCAPE & IMMERSION EQUIPMENT (SEIE)												

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment												P-1 Line Item Number / Title: 0955 / Deep Subm Sys Proj (DSSP) Equip									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:									
The SEIE is used by a submariner to escape from a disabled submarine and survive on the surface until rescued. The system, adapted from a British design, includes the escape suit, inner thermal suit and a single person life raft, all packaged as a unit onboard the submarine. This is a safety/survival appliance that is vastly superior to the obsolete Steinke Hood escape appliance. The SEIE increases the escape depth to 600 FSW and provides thermal protection to the user from hypothermia. Also includes mandatory escape assistance devices for all escape trunk hatches to ensure safe escape by personnel from the disabled submarine. [P40A / HJ927 - EQUIPMENT INSTALLATION]: EQUIPMENT INSTALLATION (HJ927) These funds are for the installation of the Submarine Escape and Rescue Program equipment, as well as the SEIE equipment. [P40A / HJINS - EQUIPMENT INSTALLATION]: EQUIPMENT INSTALLATION (HJINS) These funds are for the installation of the Submarine Escape and Rescue Program equipment, as well as the SEIE 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)	
Deep Subm Sys Proj (DSSP) Equip	P-40a		-	-	129.457	-	-	3.336	-	-	2.455	-	-	5.518	-	-	-	-	-	5.518	
Total Gross/Weapon System Cost			-	-	129.457	-	-	3.336	-	-	2.455	-	-	5.518	-	-	-	-	-	5.518	
*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: FY 13 reduction is due to sequestration.																					

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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 / 01 / 9						P-1 Line Item Number / Title: 0955 / Deep Subm Sys Proj (DSSP) Equip								Aggregated Items Title: Deep Subm Sys Proj (DSSP) Equip						
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) HJ030 - RESCUE SUPPORT EQUIPMENT																				
1.1) Vehicles Upgrades	A		-	-	0.055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) ADS LARS 1	A		-	-	0.508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) SRDRS Spares and Tools	A		-	-	4.335	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) ADS Suit 1 Upgrade/Cert	A		-	-	0.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) LARS Deck Skid	A		-	-	0.491	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) SRC Materials	A		-	-	0.598	-	-	0.104	-	-	0.107	-	-	0.110	-	-	-	-	-	0.110
1.7) SRDRS System Upgrade and Upgrade Spares ⁽¹⁾	A		-	-	22.274	-	-	3.232	-	-	2.348	-	-	5.408	-	-	-	-	-	5.408
1.8) ADS Upgrades	A		-	-	14.238	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.9) UMW Upgrades	A		-	-	0.117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.10) SRDRS Mooring System Upgrade	A		-	-	1.006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.11) Upper Hatch Linkage Upgrades	A		-	-	2.077	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) HJ030 - RESCUE SUPPORT EQUIPMENT			-	-	46.299	-	-	3.336	-	-	2.455	-	-	5.518	-	-	-	-	-	5.518
2) HJ100 - SUBMARINE ESCAPE & IMMERSION EQUIPMENT																				
2.1) LA Class SEIE Equipment Upgrade	A		-	-	0.343	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) LA Class SEIE Suit Sets	A		-	-	36.238	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) HJ100 - SUBMARINE ESCAPE & IMMERSION EQUIPMENT			-	-	36.581	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) HJ927 - EQUIPMENT INSTALLATION																				
3.1) Install of Equipment (FMP)	A		-	-	44.484	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) HJ927 - EQUIPMENT INSTALLATION			-	-	44.484	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) HJINS - EQUIPMENT INSTALLATION																				
4.1) Install of Equipment	A		-	-	2.093	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) HJINS - EQUIPMENT INSTALLATION			-	-	2.093	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 / 01 / 9						P-1 Line Item Number / Title: 0955 / Deep Subm Sys Proj (DSSP) Equip									Aggregated Items Title: Deep Subm Sys Proj (DSSP) Equip				

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)
Total			-	-	129.457	-	-	3.336	-	-	2.455	-	-	5.518	-	-	-	-	-	5.518

Footnotes:

⁽¹⁾ FY 13 reduction is due to sequestration. The increased funding levels in FY15-FY19 supports Submarine Rescue Diving and Recompression System (SRDRS) upgrades and spares in support of Transfer Under pressure (TUP) capability and transition from the manned Atmospheric Diving System (ADS) to the unmanned Remote Operated Vehicle (ROV). The increase in FY15 is related to the ROV and the increase in FY16 is related to TUP spares.

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment						P-1 Line Item Number / Title: 0960 / CG Modernization						
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>)	2,003.111	80.868	10.539	-	-	-	-	87.990	113.260	106.778	-	2,402.546
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	2,003.111	80.868	10.539	-	-	-	-	87.990	113.260	106.778	-	2,402.546
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,003.111	80.868	10.539	-	-	-	-	87.990	113.260	106.778	-	2,402.546
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	0.191	0.833	0.120	-	0.120	0.041	-	-	-	-	1.185
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: Modernized CG47 Class ships will operate independently or as units of Carrier Battle Groups and Surface Action Groups, in support of the Marine Amphibious Task Forces in multi-threat environments that include air, surface and subsurface threats. These ships will respond to Low Intensity Conflict/Coastal and Littoral Offshore Warfare and joint mission scenarios as well as open ocean conflict, providing and augmenting power projection and forward presence. These ships will conduct Air Dominance, Land Attack, and Force Protection missions. [P40A / CC002 - SARTIS]: Procures Shipboard Advanced Radar Target Identification System (SARTIS) including equipment procurement, recurring equipment engineering, equipment integration, and ILS. [P40A / CC005 - SGS/CDLMS]: Procures Ship Gridlock System (SGS) and the Common Data Link Management System (CDLMS) for Baseline 2 ships including equipment procurement, recurring equipment engineering, equipment integration, and ILS. [P40A / CC012 - VIRGINIA SITES]: Procures Commercial Off The Shelf (COTS) equipment to support C/S capabilities including equipment procurement, recurring equipment engineering, equipment integration, and ILS for various Virginia Sites test facilities. Virginia Sites perform a variety of functions including life-cycle support of the AWS and AEGIS combat training for officer and enlisted watch standers. [P40A / CC013 - INSTALLATION / DSA / AIT]: Provides Planning Yard Design Services Allocation (DSA) (design, advance planning, and kitted material), MSR installations and AIT installation support. [P40A / CC014 - CONJUNCTIVE COMBAT SYSTEM ALTERATIONS]: Conjunctive Combat System Alterations includes design integration, equipment procurement, recurring equipment engineering, equipment integration, and ILS. [P40A / CC017 - MULTI-MISSION BMD CAPABILITIES]: Procures Multi-Mission Ballistic Missile Defense (BMD) Capability including equipment procurement, recurring equipment engineering, equipment integration, and ILS. [P40A / CC018 - MULTI-MISSION SSA/CWI MICROWAVE TUBES]: Procures Multi-Mission Solid State Amplifier (SSA)/Continuous Wave Illuminator (CWI) Microwave Tubes including equipment procurement, recurring equipment engineering, equipment integration, and ILS. [P3A / CC001 - SPQ-9B UPGRADE]: Procures SPQ-9B for all CG Modernization ships including equipment procurement, recurring equipment engineering, equipment integration, and Integrated Logistics												

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment									P-1 Line Item Number / Title: 0960 / CG Modernization										
ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:							Other Related Program Elements:							
[P3A - 2 / CC003 - COOPERATIVE ENGAGEMENT CAPABILITIES (CEC)]: Procures Cooperative Engagement Capability (CEC) for all ships including equipment procurement, recurring equipment engineering, equipment integration, and ILS.																			
[P3A - 3 / CC004 - AN/SQQ-89 A(V) 15 PROCUREMENT]: Procures AN/SQQ-89 A(V) 15 for Baseline 3 and 4 ships including equipment procurement, recurring equipment engineering, equipment integration, and ILS.																			
[P3A - 4 / CC007 - AEGIS WEAPONS SYSTEM (AWS) UPGRADE PROCUREMENT]: Procures AEGIS Weapons System (AWS) upgrade for all ships including equipment procurement, recurring equipment engineering, equipment integration, and ILS.																			
[P3A - 5 / CC008 - VERTICAL LAUNCH SYSTEM (VLS)]: Procures Vertical Launch System (VLS) upgrade for all ships including equipment procurement, recurring equipment engineering, equipment integration, and ILS.																			
[P3A - 6 / CC010 - MK34 UPGRADE]: Procures MK34 Gun Weapon System (GWS) upgrade for all ships including equipment procurement, recurring equipment engineering, equipment integration, and ILS.																			
[P3A - 7 / CC011 - INTEGRATED SHIP CONTROLS (ISC)]: Procures Smartship Integrated Ship Controls (ISC) for all ships requiring upgrade including equipment procurement, recurring equipment engineering, equipment integration, and ILS.																			
[P3A - 8 / CC015 - MULTI-MISSION SIGPRO]: Procures Multi-Mission Signal Processor (MMSP) including equipment procurement, recurring equipment engineering, equipment integration, and ILS.																			
[P3A - 9 / CC016 - SPY-1B VARIANCE TRANSMITTER UPGRADES]: Procures SPY-1B Variance Transmitter Upgrades including equipment procurement, recurring equipment engineering, equipment integration, and ILS.																			

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0960 / CG Modernization											
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:									
Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total			
Title*	Exhibits	ID CD	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)	
P-3a - 5 / CC008 - VERTICAL LAUNCH SYSTEM (VLS)	P-3a		-	-	189.801	-	-	0.958	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 6 / CC010 - MK34 UPGRADE	P-3a		-	-	141.811	-	-	3.266	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 7 / CC011 - INTEGRATED SHIP CONTROLS (ISC)	P-3a		-	-	77.573	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 8 / CC015 - MULTI-MISSION SIGPRO	P-3a		-	-	66.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 9 / CC016 - SPY-1B VARIANCE TRANSMITTER UPGRADES	P-3a		-	-	30.780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Gross/Weapon System Cost			-	-	2,003.111	-	-	80.868	-	-	10.539	-	-	-	-	-	-	-	-	-	
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits	ID CD	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)	
CG Modernization	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 1 / CC001 - SPQ-9B UPGRADE	P-3a		-	-	-	-	-	7.769	-	-	7.904	-	-	-	-	-	-	-	-	140.252	
P-3a - 2 / CC003 - COOPERATIVE ENGAGEMENT CAPABILITIES (CEC)	P-3a		-	-	-	-	-	5.927	-	-	6.038	-	-	-	-	-	-	-	-	111.334	
P-3a - 3 / CC004 - AN/SQQ-89 A(V) 15 PROCUREMENT	P-3a		-	-	-	-	-	16.398	-	-	16.697	-	-	-	-	-	-	-	-	198.437	
P-3a - 4 / CC007 - AEGIS WEAPONS SYSTEM (AWS) UPGRADE PROCUREMENT	P-3a		-	-	-	-	-	25.810	-	-	26.268	-	-	-	-	-	-	-	-	650.190	
P-3a - 5 / CC008 - VERTICAL LAUNCH SYSTEM (VLS)	P-3a		-	-	-	-	-	11.098	-	-	11.304	-	-	-	-	-	-	-	-	213.161	
P-3a - 6 / CC010 - MK34 UPGRADE	P-3a		-	-	-	-	-	6.213	-	-	6.324	-	-	-	-	-	-	-	-	157.614	
P-3a - 7 / CC011 - INTEGRATED SHIP CONTROLS (ISC)	P-3a		-	-	-	-	-	-	-	-	11.390	-	-	11.585	-	-	-	-	-	100.548	
P-3a - 8 / CC015 - MULTI-MISSION SIGPRO	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66.000	

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment

P-1 Line Item Number / Title:
0960 / CG Modernization

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

Program Elements for Code B Items:

Other Related Program Elements:

Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits	ID CD	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)
P-3a - 9 / CC016 - SPY-1B VARIANCE TRANSMITTER UPGRADES	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30.780
Total Gross/Weapon System Cost			-	-	-	-	-	87.990	-	-	113.260	-	-	106.778	-	-	-	-	-	2,402.546

*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.

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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 / 01 / 9						P-1 Line Item Number / Title: 0960 / CG Modernization						Aggregated Items Title: CG Modernization								
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) CC002 - SARTIS																				
1.1) SARTIS EQUIPMENT ⁽¹⁾	A		282.571	7	1.978	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) SARTIS ENGINEERING SERIVCES	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) CC002 - SARTIS			-	-	1.978	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) CC005 - SGS/CDLMS																				
2.1) SGS/CDLMS EQUIPMENT	A		820.143	7	5.741	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) SGS/CDLMS ENGINEERING SERVICES	A		-	-	0.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) CC005 - SGS/CDLMS			-	-	6.441	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) CC012 - VIRGINIA SITES																				
3.1) VIRGINIA SITES	A		-	-	82.028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) CC012 - VIRGINIA SITES			-	-	82.028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) CC013 - INSTALLATION / DSA / AIT																				
4.1) INSTALLATION / DSA / AIT ⁽²⁾	A		-	-	238.248	-	-	45.775	-	-	10.539	-	-	-	-	-	-	-	-	-
Subtotal: 4) CC013 - INSTALLATION / DSA / AIT			-	-	238.248	-	-	45.775	-	-	10.539	-	-	-	-	-	-	-	-	-
5) CC014 - CONJUNCTIVE COMBAT SYSTEM ALTERATIONS																				
5.1) CONJUNCTIVE COMBAT SYSTEM ALTERATION EQUIPMENT	A		-	-	203.838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) CC014 - CONJUNCTIVE COMBAT SYSTEM ALTERATIONS			-	-	203.838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) CC017 - MULTI-MISSION BMD CAPABILITIES																				
6.1) MULTI-MISSION BMD CAPABILITIES EQUIPMENT	A		1,553.333	3	4.660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) CC017 - MULTI-MISSION BMD CAPABILITIES			-	-	4.660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) CC018 - MULTI-MISSION SSA/CWI MICROWAVE TUBES																				
7.1) MULTI-MISSION SSA/CWI	A		1,140.000	3	3.420	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 / 01 / 9						P-1 Line Item Number / Title: 0960 / CG Modernization									Aggregated Items Title: CG Modernization					
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)
MICROWAVE TUBE EQUIPMENT																				
Subtotal: 7) CC018 - MULTI-MISSION SSA/ CWI MICROWAVE TUBES			-	-	3.420	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	540.613	-	-	45.775	-	-	10.539	-	-	-	-	-	-	-	-	-

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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 / 01 / 9									P-1 Line Item Number / Title: 0960 / CG Modernization							Aggregated Items Title: CG Modernization					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total Cost			
			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) CC002 - SARTIS																					
1.1) SARTIS EQUIPMENT ⁽¹⁾	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2) SARTIS ENGINEERING SERIVCES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1) CC002 - SARTIS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2) CC005 - SGS/CDLMS																					
2.1) SGS/CDLMS EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.2) SGS/CDLMS ENGINEERING SERVICES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2) CC005 - SGS/CDLMS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3) CC012 - VIRGINIA SITES																					
3.1) VIRGINIA SITES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 3) CC012 - VIRGINIA SITES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4) CC013 - INSTALLATION / DSA / AIT																					
4.1) INSTALLATION / DSA / AIT ⁽²⁾	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 4) CC013 - INSTALLATION / DSA / AIT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5) CC014 - CONJUNCTIVE COMBAT SYSTEM ALTERATIONS																					
5.1) CONJUNCTIVE COMBAT SYSTEM ALTERATION EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 5) CC014 - CONJUNCTIVE COMBAT SYSTEM ALTERATIONS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6) CC017 - MULTI-MISSION BMD CAPABILITIES																					
6.1) MULTI-MISSION BMD CAPABILITIES EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 6) CC017 - MULTI-MISSION BMD CAPABILITIES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7) CC018 - MULTI-MISSION SSA/CWI MICROWAVE TUBES																					
7.1) MULTI-MISSION SSA/CWI	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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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 / 01 / 9					P-1 Line Item Number / Title: 0960 / CG Modernization										Aggregated Items Title: CG Modernization				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total Cost		
			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)
MICROWAVE TUBE EQUIPMENT																				
Subtotal: 7) CC018 - MULTI-MISSION SSA/ CWI MICROWAVE TUBES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

- (1) FY17 combat systems procurement for CG 67 USS SHILOH. FY18 combat systems procurement for CG 70 LAKE ERIE.
- (2) FY17 funding for First Year DSA for CG 67 USS SHILOH. FY18 funding for First Year DSA for CG 70 LAKE ERIE and Second Year DSA/LLTM for CG 67 USS SHILOH, FY19 funding for Second Year DSA/LLTM for CG 70 LAKE ERIE, Combat Systems Installation for CG 67 USS SHILOH, and CSSQT for CG 67 USS SHILOH.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0960 / CG Modernization	Modification Number / Title: 1 / CC001 - SPQ-9B UPGRADE

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>)	122.739	1.840	-	-	-	-	-	7.769	7.904	-	-	140.252
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	122.739	1.840	-	-	-	-	-	7.769	7.904	-	-	140.252
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	122.739	1.840	-	-	-	-	-	7.769	7.904	-	-	140.252
(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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Replaces the existing AN/SPQ-9A heavyweight (HW) Radar Set with the AN/SPQ-9B lightweight (LW) Radar Set. Supports associated DSA and Planning for installation.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0960 / CG Modernization				Modification Number / Title: 1 / CC001 - SPQ-9B UPGRADE					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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: CC001 - SPQ-9B UPGRADE													
B Kits													
Recurring													
1.1.1) CC001 - SPQ-9B EQUIPMENT - NonOrganic ⁽³⁾	15 / 95.419	- / -	- / -	- / -	- / -	- / -	- / -	1 / 6.940	1 / 7.060	- / -	- / -	17 / 109.419	
1.1.2) CC001 - SPQ-9B ENGINEERING SERVICES - NonOrganic	- / 7.343	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.829	- / 0.844	- / -	- / -	- / 9.016	
Subtotal: Recurring	- / 102.762	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.769	- / 7.904	- / -	- / -	- / 118.435	
Subtotal: CC001 - SPQ-9B UPGRADE	15 / 102.762	- / -	- / -	- / -	- / -	- / -	- / -	1 / 7.769	1 / 7.904	- / -	- / -	17 / 118.435	
Subtotal: Procurement, All Modification Items	- / 102.762	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.769	- / 7.904	- / -	- / -	- / 118.435	
Installation													
Modification Item 1 of 1: CC001 - SPQ-9B UPGRADE	- / 19.977	- / 1.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.817	
Subtotal: Installation	- / 19.977	- / 1.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.817	
Total													
Total Cost (Procurement + Support + Installation)	122.739	1.840	-	-	-	-	-	7.769	7.904	-	-	140.252	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0960 / CG Modernization	Modification Number / Title: 1 / CC001 - SPQ-9B UPGRADE

Modification Item 1 of 1: CC001 - SPQ-9B UPGRADE

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NORTHROP GRUMMAN	Manufacturer Location: >MELVILLE, NY
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 18

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

Installation Information

Method of Implementation: [none specified] : Installation Name: CC001 - SPQ-9B EQUIPMENT

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	9 / 19.977	1 / 1.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 21.817
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	9 / 19.977	1 / 1.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 21.817

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	9	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Out	6	1	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10

Footnotes:

⁽³⁾ FY17 combat systems procurement for CG 67 USS SHILOH. FY18 combat systems procurement for CG 70 LAKE ERIE.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0960 / CG Modernization	Modification Number / Title: 2 / CC003 - COOPERATIVE ENGAGEMENT CAPABILITIES (CEC)

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>	97.502	1.867	-	-	-	-	-	5.927	6.038	-	-	111.334
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	97.502	1.867	-	-	-	-	-	5.927	6.038	-	-	111.334
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	97.502	1.867	-	-	-	-	-	5.927	6.038	-	-	111.334

(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 Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Procure and install Cooperative Engagement Capability (CEC). Supports DSA and Planning for installation.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0960 / CG Modernization				Modification Number / Title: 2 / CC003 - COOPERATIVE ENGAGEMENT CAPABILITIES (CEC)					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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: CC003 - COOPERATIVE ENGAGEMENT CAPABILITIES (CEC)													
B Kits													
Recurring													
1.1.1) CC003 - CEC EQUIPMENT - NonOrganic ⁽⁴⁾		15 / 70.388	- / -	- / -	- / -	- / -	- / -	1 / 5.300	1 / 5.400	- / -	- / -	17 / 81.088	
1.1.2) CC003 - CEC ENGINEERING SERVICES - NonOrganic		- / 6.779	- / -	- / -	- / -	- / -	- / -	- / 0.627	- / 0.638	- / -	- / -	- / 8.044	
Subtotal: Recurring		- / 77.167	- / -	- / -	- / -	- / -	- / -	- / 5.927	- / 6.038	- / -	- / -	- / 89.132	
Subtotal: CC003 - COOPERATIVE ENGAGEMENT CAPABILITIES (CEC)		15 / 77.167	- / -	- / -	- / -	- / -	- / -	1 / 5.927	1 / 6.038	- / -	- / -	17 / 89.132	
Subtotal: Procurement, All Modification Items		- / 77.167	- / -	- / -	- / -	- / -	- / -	- / 5.927	- / 6.038	- / -	- / -	- / 89.132	
Installation													
Modification Item 1 of 1: CC003 - COOPERATIVE ENGAGEMENT CAPABILITIES (CEC)		- / 20.335	- / 1.867	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 22.202	
Subtotal: Installation		- / 20.335	- / 1.867	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 22.202	
Total													
Total Cost (Procurement + Support + Installation)		97.502	1.867	-	-	-	-	-	5.927	6.038	-	-	111.334

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0960 / CG Modernization				Modification Number / Title: 2 / CC003 - COOPERATIVE ENGAGEMENT CAPABILITIES (CEC)																							
Modification Item 1 of 1: CC003 - COOPERATIVE ENGAGEMENT CAPABILITIES (CEC)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: RAYTHEON							Manufacturer Location: >ST. PETERSBURG, FL																								
Administrative Leadtime <i>(in Months)</i> : 6							Production Leadtime <i>(in Months)</i> : 18																								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																								
Contract Dates					Jun 2017	Jun 2018																									
Delivery Dates					Dec 2018	Dec 2019																									
Installation Information																															
Method of Implementation: [none specified] : Installation Name: CC003 - CEC EQUIPMENT																															
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																			
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																			
Prior Years	9 / 20.335	1 / 1.867	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 22.202																			
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	9 / 20.335	1 / 1.867	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 22.202																			
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	9	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Out	6	1	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Footnotes:																															
⁽⁴⁾ FY17 combat systems procurement for CG 67 USS SHILOH. FY18 combat systems procurement for CG 70 LAKE ERIE.																															

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0960 / CG Modernization	Modification Number / Title: 3 / CC004 - AN/SQQ-89 A(V) 15 PROCUREMENT

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>)	160.585	4.757	-	-	-	-	-	16.398	16.697	-	-	198.437
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	160.585	4.757	-	-	-	-	-	16.398	16.697	-	-	198.437
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	160.585	4.757	-	-	-	-	-	16.398	16.697	-	-	198.437
<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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Procure and Install AN/SQQ-89 A(V) 15 for CG Modernization. Supports DSA and Planning for installation.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0960 / CG Modernization				Modification Number / Title: 3 / CC004 - AN/SQQ-89 A(V) 15 PROCUREMENT					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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: CC004 - AN/SQQ-89 A(V) 15 PROCUREMENT													
B Kits													
Recurring													
1.1.1) CC004 - AN/SQQ-89 A(V) 15 EQUIPMENT - NonOrganic ⁽⁵⁾	8 / 111.841	- / -	- / -	- / -	- / -	- / -	- / -	1 / 15.350	1 / 15.630	- / -	- / -	10 / 142.821	
1.1.2) CC004 - AN/SQQ-89 A(V) 15 ENGINEERING SERVICES - NonOrganic	- / 36.800	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.048	- / 1.067	- / -	- / -	- / 38.915	
Subtotal: Recurring	- / 148.641	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.398	- / 16.697	- / -	- / -	- / 181.736	
Subtotal: CC004 - AN/SQQ-89 A(V) 15 PROCUREMENT	8 / 148.641	- / -	- / -	- / -	- / -	- / -	- / -	1 / 16.398	1 / 16.697	- / -	- / -	10 / 181.736	
Subtotal: Procurement, All Modification Items	- / 148.641	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.398	- / 16.697	- / -	- / -	- / 181.736	
Installation													
Modification Item 1 of 1: CC004 - AN/SQQ-89 A(V) 15 PROCUREMENT	- / 11.944	- / 4.757	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.701	
Subtotal: Installation	- / 11.944	- / 4.757	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.701	
Total													
Total Cost (Procurement + Support + Installation)	160.585	4.757	-	-	-	-	-	16.398	16.697	-	-	198.437	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0960 / CG Modernization	Modification Number / Title: 3 / CC004 - AN/SQQ-89 A(V) 15 PROCUREMENT

Modification Item 1 of 1: CC004 - AN/SQQ-89 A(V) 15 PROCUREMENT

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: LOCKHEED MARTIN	Manufacturer Location: >SYRACUSE, NY
Administrative Leadtime (in Months): 6	Production Leadtime (in Months): 18

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

Installation Information

Method of Implementation: [none specified] : Installation Name: CC004 - AN/SQQ-89 A(V) 15 EQUIPMENT

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 / 11.944	1 / 4.757	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 16.701
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 11.944	1 / 4.757	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 16.701

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	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Out	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3

Footnotes:

⁽⁵⁾ FY17 combat systems procurement for CG 67 USS SHILOH. FY18 combat systems procurement for CG 70 LAKE ERIE.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0960 / CG Modernization	Modification Number / Title: 4 / CC007 - AEGIS WEAPONS SYSTEM (AWS) UPGRADE PROCUREMENT

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>	575.707	22.405	-	-	-	-	-	25.810	26.268	-	-	650.190
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	575.707	22.405	-	-	-	-	-	25.810	26.268	-	-	650.190
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	575.707	22.405	-	-	-	-	-	25.810	26.268	-	-	650.190

(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 Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Provides improved computing and display capabilities, faster processing, and greater track capacity. Supports DSA and Planning for installation.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0960 / CG Modernization				Modification Number / Title: 4 / CC007 - AEGIS WEAPONS SYSTEM (AWS) UPGRADE PROCUREMENT					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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: CC007 - AEGIS WEAPONS SYSTEM (AWS) UPGRADE PROCUREMENT													
B Kits													
Recurring													
1.1.1) CC007 - AWS EQUIPMENT - NonOrganic ⁽⁶⁾	15 / 369.548	- / -	- / -	- / -	- / -	- / -	- / -	1 / 24.840	1 / 25.280	- / -	- / -	17 / 419.668	
1.1.2) CC007 - AWS ENGINEERING SERVICES - NonOrganic	- / 30.289	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.970	- / 0.988	- / -	- / -	- / 32.247	
Subtotal: Recurring	- / 399.837	- / -	- / -	- / -	- / -	- / -	- / -	- / 25.810	- / 26.268	- / -	- / -	- / 451.915	
Subtotal: CC007 - AEGIS WEAPONS SYSTEM (AWS) UPGRADE PROCUREMENT	15 / 399.837	- / -	- / -	- / -	- / -	- / -	- / -	1 / 25.810	1 / 26.268	- / -	- / -	17 / 451.915	
Subtotal: Procurement, All Modification Items	- / 399.837	- / -	- / -	- / -	- / -	- / -	- / -	- / 25.810	- / 26.268	- / -	- / -	- / 451.915	
Installation													
Modification Item 1 of 1: CC007 - AEGIS WEAPONS SYSTEM (AWS) UPGRADE PROCUREMENT	- / 175.870	- / 22.405	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 198.275	
Subtotal: Installation	- / 175.870	- / 22.405	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 198.275	
Total													
Total Cost (Procurement + Support + Installation)	575.707	22.405	-	-	-	-	-	25.810	26.268	-	-	650.190	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0960 / CG Modernization				Modification Number / Title: 4 / CC007 - AEGIS WEAPONS SYSTEM (AWS) UPGRADE PROCUREMENT																							
Modification Item 1 of 1: CC007 - AEGIS WEAPONS SYSTEM (AWS) UPGRADE PROCUREMENT																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: LOCKHEED MARTIN							Manufacturer Location: >MOORESTOWN, NJ																								
Administrative Leadtime (<i>in Months</i>): 6							Production Leadtime (<i>in Months</i>): 20																								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																								
Contract Dates					Apr 2017	Apr 2018																									
Delivery Dates					Dec 2018	Dec 2019																									
Installation Information																															
Method of Implementation: [none specified] : Installation Name: CC007 - AWS EQUIPMENT																															
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																			
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																			
Prior Years	9 / 175.870	1 / 22.405	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 198.275																			
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	9 / 175.870	1 / 22.405	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 198.275																			
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	9	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Out	6	1	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Footnotes: (6) FY17 combat systems procurement for CG 67 USS SHILOH. FY18 combat systems procurement for CG 70 LAKE ERIE.																															

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0960 / CG Modernization				Modification Number / Title: 5 / CC008 - VERTICAL LAUNCH SYSTEM (VLS)			

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>	189.801	0.958	-	-	-	-	-	11.098	11.304	-	-	213.161
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	189.801	0.958	-	-	-	-	-	11.098	11.304	-	-	213.161
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	189.801	0.958	-	-	-	-	-	11.098	11.304	-	-	213.161
<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 Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Provides VLS upgrades one module forward and one module aft to support evolved sea sparrow missile system capability. Supports DSA and Planning for installation.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9			P-1 Line Item Number / Title: 0960 / CG Modernization					Modification Number / Title: 5 / CC008 - VERTICAL LAUNCH SYSTEM (VLS)					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]				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: CC008 - VERTICAL LAUNCH SYSTEM (VLS)													
B Kits													
Recurring													
1.1.1) CC008 - VLS ENGINEERING SERVICES - NonOrganic		- / 4.169	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.338	1 / 0.344	- / -	- / -	2 / 4.851
1.1.2) CC008 - VLS EQUIPMENT - NonOrganic ⁽⁷⁾		15 / 171.426	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10.760	1 / 10.960	- / -	- / -	17 / 193.146
Subtotal: Recurring		- / 175.595	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.098	- / 11.304	- / -	- / -	- / 197.997
Subtotal: CC008 - VERTICAL LAUNCH SYSTEM (VLS)		15 / 175.595	- / -	- / -	- / -	- / -	- / -	- / -	2 / 11.098	2 / 11.304	- / -	- / -	19 / 197.997
Subtotal: Procurement, All Modification Items		- / 175.595	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.098	- / 11.304	- / -	- / -	- / 197.997
Installation													
Modification Item 1 of 1: CC008 - VERTICAL LAUNCH SYSTEM (VLS)		- / 14.206	- / 0.958	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.164
Subtotal: Installation		- / 14.206	- / 0.958	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 15.164
Total													
Total Cost (Procurement + Support + Installation)		189.801	0.958	-	-	-	-	-	11.098	11.304	-	-	213.161

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0960 / CG Modernization				Modification Number / Title: 5 / CC008 - VERTICAL LAUNCH SYSTEM (VLS)																							
Modification Item 1 of 1: CC008 - VERTICAL LAUNCH SYSTEM (VLS)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: LOCHEED MARTIN							Manufacturer Location: >BALTIMORE, MD																								
Administrative Leadtime (<i>in Months</i>): 6							Production Leadtime (<i>in Months</i>): 18																								
Dates	FY 2013			FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019												
Contract Dates													Jun 2017			Jun 2018															
Delivery Dates													Dec 2018			Dec 2019															
Installation Information																															
Method of Implementation: [none specified] : Installation Name: CC008 - VLS EQUIPMENT																															
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																		
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																	
Prior Years		9 / 14.206	1 / 0.958	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 15.164																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		9 / 14.206	1 / 0.958	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 15.164																		
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	9	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Out	6	1	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Footnotes: (7) FY17 combat systems procurement for CG 67 USS SHILOH. FY18 combat systems procurement for CG 70 LAKE ERIE.																															

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0960 / CG Modernization				Modification Number / Title: 6 / CC010 - MK34 UPGRADE			

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>)	141.811	3.266	-	-	-	-	-	6.213	6.324	-	-	157.614
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	141.811	3.266	-	-	-	-	-	6.213	6.324	-	-	157.614
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	141.811	3.266	-	-	-	-	-	6.213	6.324	-	-	157.614
<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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Procures the MK34 Mod 4 Gun Weapon System (GWS) to replace the existing MK86 Gun Fire Control System. Supports DSA and Planning for installation.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0960 / CG Modernization				Modification Number / Title: 6 / CC010 - MK34 UPGRADE				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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: CC010 - MK34 UPGRADE												
B Kits												
Recurring												
1.1.1) CC010 - MK34 EQUIPMENT - NonOrganic ⁽⁸⁾	15 / 88.291	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.873	1 / 5.978	- / -	- / -	17 / 100.142
1.1.2) CC010 - MK34 ENGINEERING SERVICES - NonOrganic	- / 19.881	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.340	- / 0.346	- / -	- / -	- / 20.567
Subtotal: Recurring	- / 108.172	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.213	- / 6.324	- / -	- / -	- / 120.709
Subtotal: CC010 - MK34 UPGRADE	15 / 108.172	- / -	- / -	- / -	- / -	- / -	- / -	1 / 6.213	1 / 6.324	- / -	- / -	17 / 120.709
Subtotal: Procurement, All Modification Items	- / 108.172	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.213	- / 6.324	- / -	- / -	- / 120.709
Installation												
Modification Item 1 of 1: CC010 - MK34 UPGRADE	- / 33.639	- / 3.266	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.905
Subtotal: Installation	- / 33.639	- / 3.266	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.905
Total												
Total Cost (Procurement + Support + Installation)	141.811	3.266	-	-	-	-	-	6.213	6.324	-	-	157.614

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0960 / CG Modernization				Modification Number / Title: 6 / CC010 - MK34 UPGRADE																							
Modification Item 1 of 1: CC010 - MK34 UPGRADE																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Various							Manufacturer Location: >Various																								
Administrative Leadtime <i>(in Months)</i> : 6							Production Leadtime <i>(in Months)</i> : 18																								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																								
Contract Dates					Jun 2017	Jun 2018																									
Delivery Dates					Dec 2018	Dec 2019																									
Installation Information																															
Method of Implementation: [none specified] : Installation Name: CC010 - MK34 EQUIPMENT																															
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																			
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																			
Prior Years	9 / 33.639	1 / 3.266	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 36.905																			
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	9 / 33.639	1 / 3.266	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 36.905																			
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	9	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Out	6	1	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Footnotes: ⁽⁸⁾ FY17 combat systems procurement for CG 67 USS SHILOH. FY18 combat systems procurement for CG 70 LAKE ERIE.																															

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0960 / CG Modernization	Modification Number / Title: 7 / CC011 - INTEGRATED SHIP CONTROLS (ISC)

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>	77.573	-	-	-	-	-	-	-	11.390	11.585	-	100.548
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	77.573	-	-	-	-	-	-	-	11.390	11.585	-	100.548
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	77.573	-	-	-	-	-	-	-	11.390	11.585	-	100.548

(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 Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Procure and Install Smartship Integrated Ship Control (ISC) for CG Modernization.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0960 / CG Modernization				Modification Number / Title: 7 / CC011 - INTEGRATED SHIP CONTROLS (ISC)					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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: CC011 - INTEGRATED SHIP CONTROLS (ISC)													
B Kits													
Recurring													
1.1.1) CC011 - ISC EQUIPMENT - NonOrganic ⁽⁹⁾		6 / 38.485	- / -	- / -	- / -	- / -	- / -	- / -	1 / 8.883	1 / 9.033	- / -	8 / 56.401	
1.1.2) CC011 - ISC ENGINEERING SERVICES - NonOrganic		- / 2.771	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.507	- / 2.552	- / -	- / 7.830	
Subtotal: Recurring		- / 41.256	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.390	- / 11.585	- / -	- / 64.231	
Subtotal: CC011 - INTEGRATED SHIP CONTROLS (ISC)		6 / 41.256	- / -	- / -	- / -	- / -	- / -	- / -	1 / 11.390	1 / 11.585	- / -	8 / 64.231	
Subtotal: Procurement, All Modification Items		- / 41.256	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.390	- / 11.585	- / -	- / 64.231	
Installation													
Modification Item 1 of 1: CC011 - INTEGRATED SHIP CONTROLS (ISC)		- / 36.317	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.317	
Subtotal: Installation		- / 36.317	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.317	
Total													
Total Cost (Procurement + Support + Installation)		77.573	-	-	-	-	-	-	11.390	11.585	-	100.548	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0960 / CG Modernization	Modification Number / Title: 7 / CC011 - INTEGRATED SHIP CONTROLS (ISC)

Modification Item 1 of 1: CC011 - INTEGRATED SHIP CONTROLS (ISC)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: HENSCHTEL	Manufacturer Location: >NEWBURY PORT, MA
Administrative Leadtime (<i>in Months</i>): 6	Production Leadtime (<i>in Months</i>): 6

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

Installation Information

Method of Implementation: [none specified] : Installation Name: CC011 - ISC EQUIPMENT

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	5 / 36.317	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 36.317
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	5 / 36.317	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 36.317

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	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Out	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5

Footnotes:

⁽⁹⁾ FY18 ISC combat systems procurement for CG 67 USS SHILOH. FY19 ISC combat systems procurement for CG 70 LAKE ERIE.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0960 / CG Modernization	Modification Number / Title: 8 / CC015 - MULTI-MISSION SIGPRO

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>	66.000	-	-	-	-	-	-	-	-	-	-	66.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	66.000	-	-	-	-	-	-	-	-	-	-	66.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	66.000	-	-	-	-	-	-	-	-	-	-	66.000
<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 Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Replaces existing AN/SPY-1B(B(V) MIL-STANDARD Signal Processor with the COTS Multi-Mission SIGPRO set.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9					P-1 Line Item Number / Title: 0960 / CG Modernization					Modification Number / Title: 8 / CC015 - MULTI-MISSION SIGPRO			
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> CC015 - MULTI-MISSION SIGPRO													
B Kits													
Recurring													
1.1.1) CC015 - MULTI-MISSION SIGPRO EQUIPMENT - Organic	- / 66.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 66.000	
<i>Subtotal: Recurring</i>	- / 66.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 66.000	
<i>Subtotal: CC015 - MULTI-MISSION SIGPRO</i>	- / 66.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 66.000	
<i>Subtotal: Procurement, All Modification Items</i>	- / 66.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 66.000	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	66.000	-	-	-	-	-	-	-	-	-	-	66.000	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9			P-1 Line Item Number / Title: 0960 / CG Modernization			Modification Number / Title: 8 / CC015 - MULTI-MISSION SIGPRO	
Modification Item 1 of 1: CC015 - MULTI-MISSION SIGPRO							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Manufacturer Name Not Provided.				Manufacturer Location: Manufacturer Location Not Provided.			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0960 / CG Modernization	Modification Number / Title: 9 / CC016 - SPY-1B VARIANCE TRANSMITTER UPGRADES

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>	30.780	-	-	-	-	-	-	-	-	-	-	30.780
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	30.780	-	-	-	-	-	-	-	-	-	-	30.780
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	30.780	-	-	-	-	-	-	-	-	-	-	30.780
<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 Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Provides upgrades to the existing Radio Frequency Monitor (RFM), existing Driver/Pre-Driver (DPD) and modifies existing Deckhouse Wave Guide.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0960 / CG Modernization						Modification Number / Title: 9 / CC016 - SPY-1B VARIANCE TRANSMITTER UPGRADES			
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> CC016 - SPY-1B VARIANCE TRANSMITTER UPGRADES													
B Kits													
Recurring													
1.1.1) CC016 - SPY-1B VARIANCE TRANSMITTER EQUIPMENT - Organic	- / 30.780	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 30.780	
<i>Subtotal: Recurring</i>	- / 30.780	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 30.780	
<i>Subtotal: CC016 - SPY-1B VARIANCE TRANSMITTER UPGRADES</i>	- / 30.780	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 30.780	
<i>Subtotal: Procurement, All Modification Items</i>	- / 30.780	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 30.780	
Installation													
<i>Subtotal: Installation</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	30.780	-	-	-	-	-	-	-	-	-	-	30.780	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9			P-1 Line Item Number / Title: 0960 / CG Modernization			Modification Number / Title: 9 / CC016 - SPY-1B VARIANCE TRANSMITTER UPGRADES	
Modification Item 1 of 1: CC016 - SPY-1B VARIANCE TRANSMITTER UPGRADES							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Raytheon				Manufacturer Location: >Marlborough, MA			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 18			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment							P-1 Line Item Number / Title: 0970 / LCAC					
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>)	62.936	15.557	14.431	7.158	-	7.158	5.625	5.730	5.848	5.988	-	123.273
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	62.936	15.557	14.431	7.158	-	7.158	5.625	5.730	5.848	5.988	-	123.273
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	62.936	15.557	14.431	7.158	-	7.158	5.625	5.730	5.848	5.988	-	123.273
<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: The LCAC (Landing Craft Air Cushion) mission is to transport weapons systems, equipment, cargo, and personnel of the assault elements for the Marine Air/Ground Task Force from ship-to-shore and across the beach. The LCAC weighs 150 tons, is 88ft long with a beam of 47ft, rides on a cushion of air contained in a flexible skirt and is propelled by two aft-mounted, reversible, variable pitch propellers. It is capable of speeds in excess of 40 knots. The LCAC sustainment funding is programmed for equipment procurement using OPN to replace selected engines, personnel transport modules and propeller shrouds that the fleet urgently requires to maintain acceptable levels of readiness. LC001 - LCAC SYSTEM UPGRADES The LCAC System Upgrade Program provides for selected modernization through procurement and installation of components required to maintain acceptable levels of fleet operational readiness. Equipment removal and installation will take place at the two Assault Craft Units (ACUs), each of which are currently responsible for half of the craft inventory. This work will be performed on craft not scheduled to go through the Service Life Extension Program (SLEP) in the near future. LC002 - ENGINES The ETF-40B engines are enhanced versions of the current TF-40B engines and are being provided with the rest of the SLEP craft. Recent catastrophic engine failures have highlighted the need for spare engines to reduce operational downtime. Engine procurements are also for Pack Up Kits (PUKs) that accompany fleet deployment of LCACs aboard amphibious ships. Additional ETF 40B Engines will be needed for this purpose since they are being newly introduced as part of SLEP. LC006 - INDUSTRIAL PLANT EQUIPMENT This line funds the refurbishment and upgrade of the Assault Craft Unit (ACU) Intermediate Maintenance Activity (IMA) Industrial Plant Equipment (IPE). Refurbishing/upgrading ACU IMA IPE increases craft readiness, reduces repair and maintenance labor and helps sustain current craft. In addition, it will support the future Ship to Shore Connector (SSC) transition. LC007 - LIGHTWEIGHT ARMOR The portable lightweight armor system replaces the existing armor system. The portable system can be transported via a Container Express (CONEX) box and provides the Assault Craft Unit with the ability to provide ballistic/fragmentation protection to manned spaces on the craft as well as to selected machinery components. LC008 - Cold Weather Kits												

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0970 / LCAC									
ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:					Other Related Program Elements:									
LCACs are required to operate in ambient temperatures as low as 10F. Snow and ice accumulation leads to actuation of a safety system that bypasses the main engine inlet air filtration system and allows engines to draw in unfiltered air. Cold weather kits prevent snow and ice accumulation in the main engines during cold weather 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)
LCAC	P-40a		-	-	62.936	-	-	15.557	-	-	14.431	-	-	7.158	-	-	-	-	-	7.158
Total Gross/Weapon System Cost			-	-	62.936	-	-	15.557	-	-	14.431	-	-	7.158	-	-	-	-	-	7.158

*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.

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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 / 01 / 9									P-1 Line Item Number / Title: 0970 / LCAC							Aggregated Items Title: LCAC				

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) LC001 LCAC SYSTEMS UPGRADE ⁽¹⁾																				
1.1) MATERIAL	A		-	-	26.726	-	-	-	722,500.00	2	1.445	736,000.00	3	2.208	-	-	-	736,000.00	3	2.208
1.2) INSTALLATION	A		-	-	9.455	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) GOVT ENG & PROG SUPT	A		-	-	3.192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) DETAIL DESIGN & TESTING	A		-	-	1.445	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) LC001 LCAC SYSTEMS UPGRADE			-	-	40.818	-	-	-	-	-	1.445	-	-	2.208	-	-	-	-	-	2.208
2) LCAC ⁽²⁾																				
2.1) LC002 ETF 40-B ENGINES	A		-	-	13.027	1,462K	9	13.156	1,471K	8	11.767	1,484K	3	4.452	-	-	-	1,484K	3	4.452
2.2) LC003 MK16 MOD 8 GUN MOUNTS AND LIGHTWEIGHT ARMOR	A		-	-	4.128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) LC006 INDUSTRIAL PLANT EQUIPMENT	A		-	-	4.963	-	-	2.401	-	-	-	-	-	-	-	-	-	-	-	-
2.4) LC007 LIGHTWEIGHT ARMOR	A		-	-	-	-	-	-	243,800.00	5	1.219	249,000.00	2	0.498	-	-	-	249,000.00	2	0.498
2.5) LC008 COLD WEATHER KITS	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) LCAC			-	-	22.118	-	-	15.557	-	-	12.986	-	-	4.950	-	-	-	-	-	4.950
Total			-	-	62.936	-	-	15.557	-	-	14.431	-	-	7.158	-	-	-	-	-	7.158

Footnotes:

- (1) FY14 LC001 Systems Upgrade unit cost has been updated to reflect the return cost from the last procurement in FY10; FY14 units reduced by 1.
- (2) LC002 procurement units increased due to high failure rate of ETF40B engines. LC007 Lightweight Armor requirements adjusted to offset FY13 sequestration reduction and increased requirements for ETF40B engines.

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment	P-1 Line Item Number / Title: 0977 / Underwater EOD Programs

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>)	60.834	30.605	31.513	58.783	-	58.783	52.160	34.298	53.905	52.711	-	374.809
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	60.834	30.605	31.513	58.783	-	58.783	52.160	34.298	53.905	52.711	-	374.809
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	60.834	30.605	31.513	58.783	-	58.783	52.160	34.298	53.905	52.711	-	374.809
<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>)	-	1.246	1.118	4.949	-	4.949	2.328	1.710	1.051	0.216	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:

Underwater Explosive Ordnance Disposal (EOD) program supports EOD Groups, Units, and Detachments worldwide. This program supplies EOD and Maritime Expeditionary forces with the necessary allowance outfitting, and diving and diving-related equipment aligned to fulfill assigned missions that includes Underwater Mine Countermeasures (UMCM) and other Maritime Expeditionary missions. All equipment must have inherently low acoustic and magnetic signatures. This program also includes the Marine Mammal Systems (MMS).

Underwater EOD Programs: The requirements for the procurement of each of these system suites are articulated in OPNAV approved requirements documents in accordance with DoD Directive 5000.2, SECNAVINST 5000.2E, and the JCIDS process as defined by CJSCINST 3170.01. Additionally, the nature of the missions assigned to EOD and MCM forces under OPNAVINST 3501.97H, Required Operational Capabilities & Projected Operational Environments (ROC/POE), require an aggregated set of systems and equipment to perform the wide range of mine countermeasures, underwater detection, location, investigation, force protection, and neutralization tasks that comprise the mission set.

The acquisition strategy approved by the milestone decision authority reflects an evolutionary and modular approach to develop, test, procure, and field the types of baseline capabilities defined by this program with attendant pre-planned product improvements and production engineering needed to maintain these capabilities in ever changing dynamic underwater threat environments.

[P5 / UQ019-MINE WARFARE VULNERABILITY IDENTIFICATION PROGRAM (MIW-VIP)]: Measures magnetic and acoustic signatures using existing ranges and portable ranges (Forward Area Combined Degaussing and Acoustic Range (FACDAR)). Measurements will be taken in both home port areas and deployment areas to assess a ship's susceptibility to various mines.

[P5 / UQ034 - U/W EOD & MCM SYSTEM/EQUIPMENT]: UNDERWATER MINE COUNTERMEASURES (UMCM) EOD UNMANNED UNDERWATER VEHICLE (MK 18 UUV/HULS/HULS-N): Provides for the procurement of Navy expeditionary unmanned underwater vehicles for UMCM search/localization/identification/neutralization operations.

UUV INCREMENTAL CAPABILITY IMPROVEMENT PROGRAM RETROFIT KITS (MK18/HULS): Provides for the procurement of evolving technology insertion of retrofit upgrades to UUV systems. Upgrades are the result of incremental capability improvements to address CNO validated preplanned production improvements leveraging ONR developed technologies. Retrofit kits are developed based on technologies which have achieved a Technology Readiness level of sufficient maturity for integration into UUV systems. Unit cost of individual retrofit kits will vary based on the number and type of technologies included and systems being upgraded.

AUXILIARY EQUIPMENT (MK 18/HULS): Provides for procurement of mission critical auxiliary equipment for launch, recovery, handling, storage, and transportation of unmanned systems and equipment.

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment		P-1 Line Item Number / Title: 0977 / Underwater EOD Programs
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
COCOM UUV MK 18 Mod 2: Provides for procurement of UUV MK 18 Mod 2 systems and retrofit kits for fielding advanced sensor technology upgrades, which will be employed in operational missions in Shallow Water (SW) and Very Shallow Water (VSW) environments including rotational deployments to the Fifth Fleet area of responsibility as directed by CNO. Unit costs of the advanced sensor retrofit kits will vary based on the number and type of sensor upgrades. UNDERWATER (UW) DIVER INTEGRATED SENSORS: Provides for the procurement of a family of systems based on Modified-Off-The Shelf (MOTS), mature technologies and upgrades to Diver Integrated Sensors. Specifically, this provides for more capable diver tools in support of EOD, UMCM and Mobile Diving & Salvage Unit (MDSU) object localization, precise navigation, managing data and underwater mine location and identification. Also provides retrofit kits to improve and increase capabilities. Unit cost of individual retrofit kits may vary based on number and type of technology included in the kit. ADVANCED FIRING SYSTEMS (AFS): Provides for the procurement of EOD Underwater firing systems, and sub-systems. Provides retrofit improvements to increase AFS capabilities using a tool box approach. Quantities and unit cost of toolbox kits may vary based on technologies included in each kit. DIVER SAFETY & LIFE SUPPORT SYSTEMS: Provides for the procurement of a family of systems based on MOTS and mature technologies to provide safer tools and life support systems for EOD UMCM and MDSU operations. Based on family of systems concept, unit cost of individual systems and sub-systems will vary based on number and type of technology included. [P5 / UQ035 - OUTFIT EOD/UMCM TOOLS & EQUIPMENT]: UNDERWATER (UW) INTEGRATED SYSTEM INTERFACE (previously - C4I UPGRADES): Provides for the upgrade of existing EOD systems to meet UW Integrated System Interface requirements. [P5 / UQ036 - DIVER SAFETY LIFE SUPPORT EQUIPMENT]: DIVER SAFETY & LIFE SUPPORT SYSTEMS - Provide for the procurement of a family of systems based on MOTS and mature technologies to provide safer tools and life support systems for EOD UMCM and MDSU operations. [P5 / UQ037 - MARINE MAMMAL SYSTEM/EQUIPMENT]: MMS ALLOWANCE: Initial outfitting of tools/equipment for increased allowances of all Fleet MMS in accordance with CNO approved allowance list. MEDICAL OUTFITTING: Provides for initial outfitting of additions to medical specific items to MMS allowance. This equipment enables fleet MMS to meet care requirements articulated in SECNAVINST 3900.41D. MMS ENVIRONMENTAL PEN ASSEMBLIES: Provides extended deployment capabilities of deployed MCM MMS for extended periods of time to areas with varying and sometimes extreme environmental conditions. UNDERWATER LOW MAGNETIC TEST EQUIPMENT UPGRADE: Provides for procurement of equipment for Fleet Remote Site Facility Low Magnetic Certification. MARINE MAMMAL SYSTEM CONTINUOUS IMPROVEMENT PROGRAM (MMS CIP): Provides for engineering changes and initial outfitting of equipment to fleet MMS allowing for reduce footprint, and improved system effectiveness and suitability to meet EOD, Anti-Terrorism (AT)/force Protection (FP), and mission areas. MMS LITTORAL, PORT AND HARBOR DEFENSE OPERATIONS: Enhances Doctrine, Organization, Training, Material, Leadership, Personnel and Facilities (DOTMLPF) of fleet Marine Mammal Systems to optimize the rapid detection, identification, and clearance of mines in support of UMCM and Maritime Homeland Defense. MMS UMCM: Provides for the production of capabilities to support OPNAV validated and capacity needs to conduct UMCM operations by fleet Marine Mammal Systems. MARITIME HOMELAND DEFENSE (MHD): Optimization of configuration of existing swimmer defense and mine countermeasures fleet Marine Mammal Systems in support of high priority Maritime Homeland Defense missions. These upgrades include but are not limited to civilianization of fleet systems, re-configuration of system hardware and revised TT&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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0977 / Underwater EOD Programs										
ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:					Other Related Program Elements:										
[P5 / OCO FY15 (OEF-T)]: FY15 OCO funds (\$8.210) requested to procure replacement systems and operational equipment in support of on-going OSD Fastlane operations in the NAVCENT OEF-T AoR. These procurements will include purchase of theater-specific shipboard launch & recovery equipment for the MK 18 Mod 2 UUV system, and procurement of operationally-required modifications to certain equipment required to meet theater-specific needs. [P5 / UQ830 - PRODUCTION ENGINEERING]: Provides for production engineering support of outfitting in meeting OPNAV improved diver-based and unmanned systems fleet inventory objectives. This includes writing of contracts, production contract award, first article tests, factory acceptance tests and other production support efforts directly related to delivery of the support hardware. In addition for EOD equipment, review all technical and data packages prior to procurement and providing procurement instructions to the procuring activity for EOD and MMS production contracts. [P5 / UQ850 - PRODUCT IMPROVEMENT]: Provides for engineering services to improve fielded MMS Systems/EOD Diver-based and unmanned systems to improve Human Systems Integration (HSI)/Logistics domains insert technology refresh and/or decrease costs. [P5 / UQTNG - INITIAL TRAINING]: Provides training support packages which include curriculum material and training aids for Underwater EOD/UMCM systems and Marine Mammal System 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 / Underwater EOD Programs	P-5		-	-	60.834	-	-	30.605	-	-	31.513	-	-	58.783	-	-	-	-	-	58.783
Total Gross/Weapon System Cost			-	-	60.834	-	-	30.605	-	-	31.513	-	-	58.783	-	-	-	-	-	58.783
*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: FY15 funding provides for the baseline program. Increase from FY14 to FY15 provides for increased MK18 Mod2 UUV procurements.																				

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9							P-1 Line Item Number / Title: 0977 / Underwater EOD Programs							Item Number / Title [DODIC]: 1 / Underwater EOD Programs								
Resource Summary					Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO [#]			FY 2015 Total		
Procurement Quantity <i>(Units in Each)</i>					-			-			-			-			-			-		
Gross/Weapon System Cost <i>(\$ in Millions)</i>					60.834			30.605			31.513			58.783			-			58.783		
Less PY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Net Procurement (P1) <i>(\$ in Millions)</i>					60.834			30.605			31.513			58.783			-			58.783		
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>					60.834			30.605			31.513			58.783			-			58.783		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																						
Initial Spares <i>(\$ in Millions)</i>					-			1.246			1.118			4.949			-			4.949		
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 - UQ019-MINE WARFARE VULNERABILITY IDENTIFICATION PROGRAM (MIW-VIP) Cost																						
Recurring Cost																						
1.1.1) MIW-VIP		-	-	0.895	-	-	0.319	-	-	0.326	-	-	0.334	-	-	-	-	-	0.334			
Subtotal: Recurring Cost		-	-	0.895	-	-	0.319	-	-	0.326	-	-	0.334	-	-	-	-	-	0.334			
Subtotal: Hardware - UQ019-MINE WARFARE VULNERABILITY IDENTIFICATION PROGRAM (MIW-VIP) Cost		-	-	0.895	-	-	0.319	-	-	0.326	-	-	0.334	-	-	-	-	-	0.334			
Hardware - UQ034 - U/W EOD & MCM SYSTEM/EQUIPMENT Cost																						
Recurring Cost																						
2.1.1) MK 18 Mod 1 UUV		-	-	-	-	-	-	-	-	-	385,000.00	3	1.155	-	-	-	385,000.00	3	1.155			
2.1.2) MK 18 Mod 1 UMCM UUV Incremental (CIP) Retrofit Kit		-	-	-	-	-	-	-	-	-	1,060K	5	5.300	-	-	-	1,060K	5	5.300			
2.1.3) COCOM UUV MK 18 Mod 2		-	-	-	2,450K	4	9.800	-	-	-	-	-	-	-	-	-	-	-	-			
2.1.4) UW DIVER INTEGRATION SENSORS		150,000.00	72	10.800	187,850.00	20	3.757	132,888.89	27	3.588	-	-	-	-	-	-	-	-	-			
2.1.5) ADVANCED FIRING SYSTEM		40,000.00	35	1.400	100,000.00	5	0.500	20,000.00	50	1.000	20,000.00	50	1.000	-	-	-	20,000.00	50	1.000			
2.1.6) HULS (Vehicle Procurement)		-	-	-	-	-	-	541,000.00	4	2.164	553,000.00	4	2.212	-	-	-	553,000.00	4	2.212			
2.1.7) HULS Retrofit Kits		-	-	-	-	-	-	-	-	-	149,500.00	6	0.897	-	-	-	149,500.00	6	0.897			

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Exhibit P-5, Cost Analysis: PB 2015 Navy																Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9								P-1 Line Item Number / Title: 0977 / Underwater EOD Programs								Item Number / Title [DODIC]: 1 / Underwater EOD Programs			
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)
2.1.8) MK 18 Mod 2 UUV		-	-	-	-	-	-	990,000.00	6	5.940	990,000.00	11	10.890	-	-	-	990,000.00	11	10.890
2.1.9) MK 18 Mod 2 Retrofit Kits		-	-	-	-	-	-	1,750K	1	1.750	1,790K	7	12.530	-	-	-	1,790K	7	12.530
2.1.10) Auxilliary Equipment (HULS)		-	-	-	-	-	-	286,000.00	4	1.144	286,000.00	1	0.286	-	-	-	286,000.00	1	0.286
2.1.11) Auxilliary Equipment (MK 18)		-	-	-	-	-	-	378,000.00	9	3.402	364,950.00	20	7.299	-	-	-	364,950.00	20	7.299
2.1.12) VESON		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.13) UMCM/EOD UUV		3,407K	3	10.221	1,643K	3	4.929	-	-	-	-	-	-	-	-	-	-	-	-
2.1.14) UMCM UUV INCREMENTAL (CIP) RETROFIT		1,467K	3	4.400	870,000.00	1	0.870	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	26.821	-	-	19.856	-	-	18.988	-	-	41.569	-	-	-	-	-	41.569
<i>Subtotal: Hardware - UQ034 - U/W EOD & MCM SYSTEM/EQUIPMENT Cost</i>		-	-	26.821	-	-	19.856	-	-	18.988	-	-	41.569	-	-	-	-	-	41.569
Hardware - UQ035 - OUTFIT EOD/UMCM TOOLS & EQUIPMENT Cost																			
Recurring Cost																			
3.1.1) UW INTEGRATED SYSTEM INTERFACE (PREVIOUSLY C4I UPGRADES)		-	-	0.590	-	-	0.215	-	-	0.218	-	-	0.222	-	-	-	-	-	0.222
<i>Subtotal: Recurring Cost</i>		-	-	0.590	-	-	0.215	-	-	0.218	-	-	0.222	-	-	-	-	-	0.222
<i>Subtotal: Hardware - UQ035 - OUTFIT EOD/UMCM TOOLS & EQUIPMENT Cost</i>		-	-	0.590	-	-	0.215	-	-	0.218	-	-	0.222	-	-	-	-	-	0.222
Hardware - UQ036 - DIVER SAFETY LIFE SUPPORT EQUIPMENT Cost																			
Recurring Cost																			
4.1.1) DIVER SAFETY LIFE SUPPORT EQUIPMENT		-	-	1.200	-	-	-	-	-	2.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	1.200	-	-	-	-	-	2.000	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - UQ036 - DIVER SAFETY LIFE SUPPORT EQUIPMENT Cost</i>		-	-	1.200	-	-	-	-	-	2.000	-	-	-	-	-	-	-	-	-
Hardware - UQ037 - MARINE MAMMAL SYSTEM/EQUIPMENT Cost																			
Recurring Cost																			

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Exhibit P-5, Cost Analysis: PB 2015 Navy																Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9								P-1 Line Item Number / Title: 0977 / Underwater EOD Programs								Item Number / Title [DODIC]: 1 / Underwater EOD Programs			
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)
5.1.1) MMS UCMC		-	-	-	-	-	5.598	-	-	3.600	-	-	7.263	-	-	-	-	-	7.263
5.1.2) MMS ALLOWANCE		-	-	0.791	-	-	0.273	-	-	0.275	-	-	0.270	-	-	-	-	-	0.270
5.1.3) MEDICAL OUTFITTING		-	-	1.370	-	-	0.450	-	-	0.392	-	-	0.422	-	-	-	-	-	0.422
5.1.4) MMS ENVIRON PEN ASSEMBLIES		-	-	3.619	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.5) UW LOW MAGNETIC TEST EQUIPM UPGRADE		-	-	0.392	-	-	0.120	-	-	0.110	-	-	0.120	-	-	-	-	-	0.120
5.1.6) MMS CIP		-	-	2.446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.7) MMS LITTORAL PORT & HARBOR DEFENSE OPERATIONS		-	-	1.194	-	-	1.268	-	-	1.409	-	-	1.456	-	-	-	-	-	1.456
5.1.8) MARITIME HOMELAND DEFENSE (MHD)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	9.812	-	-	7.709	-	-	5.786	-	-	9.531	-	-	-	-	-	9.531
Non Recurring Cost																			
5.2.1) MARINE MAMMAL SYSTEM (MMS) - MK 4, MK 6, MK 7, & MK 8 (OCO)		-	-	5.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2.2) MARINE MAMMAL SYSTEM (MMS) - MK 6 (OCO)		-	-	7.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>		-	-	12.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - UQ037 - MARINE MAMMAL SYSTEM/ EQUIPMENT Cost</i>		-	-	21.852	-	-	7.709	-	-	5.786	-	-	9.531	-	-	-	-	-	9.531
Hardware - FY15 OCO SUPPLEMENTAL Cost																			
Non Recurring Cost																			
6.1.1) OCO FY15 (OEF-T)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Non Recurring Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - FY15 OCO SUPPLEMENTAL Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - UQ830 - 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 / 01 / 9								P-1 Line Item Number / Title: 0977 / Underwater EOD Programs							Item Number / Title [DODIC]: 1 / Underwater EOD Programs				
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)
7.1) PRODUCTION ENGINEERING		-	-	4.396	-	-	1.428	-	-	2.566	-	-	3.723	-	-	-	-	-	3.723
<i>Subtotal: Support - UQ830 - PRODUCTION ENGINEERING Cost</i>		-	-	4.396	-	-	1.428	-	-	2.566	-	-	3.723	-	-	-	-	-	3.723
Support - UQ850 - PRODUCT IMPROVEMENT Cost																			
8.1) PRODUCT IMPROVEMENT		-	-	4.399	-	-	1.004	-	-	1.432	-	-	3.206	-	-	-	-	-	3.206
<i>Subtotal: Support - UQ850 - PRODUCT IMPROVEMENT Cost</i>		-	-	4.399	-	-	1.004	-	-	1.432	-	-	3.206	-	-	-	-	-	3.206
Support - UQTNG - INITIAL TRAINING Cost																			
9.1) INITIAL TRAINING		-	-	0.681	-	-	0.074	-	-	0.197	-	-	0.198	-	-	-	-	-	0.198
<i>Subtotal: Support - UQTNG - INITIAL TRAINING Cost</i>		-	-	0.681	-	-	0.074	-	-	0.197	-	-	0.198	-	-	-	-	-	0.198
Gross/Weapon System Cost		-	-	60.834	-	-	30.605	-	-	31.513	-	-	58.783	-	-	-	-	-	58.783

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment							P-1 Line Item Number / Title: 0981 / Items less than \$5 Million					
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items:					Other Related Program Elements:				
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>)	313.656	55.495	68.590	68.748	-	68.748	132.661	90.809	76.291	78.051	21.225	905.526
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	313.656	55.495	68.590	68.748	-	68.748	132.661	90.809	76.291	78.051	21.225	905.526
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	313.656	55.495	68.590	68.748	-	68.748	132.661	90.809	76.291	78.051	21.225	905.526
<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>)	-	-	3.506	0.215	-	0.215	2.956	18.107	-	-	-	24.784
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 budget provides for "S" cognizance (Shipboard, Hull, Mechanical & Electrical (HM&E) equipment for submarines, surface ships, and aircraft carriers) which are not in any specific category. This equipment accomplishes Program alterations for installation during CNO and Fleet availabilities, fills Fleet requisitions from casualties and attrition, provide tech refresh upgrades, and replaces obsolete equipment. Primary objectives are to maintain or improve readiness, safety, reliability, reduce workload, lower maintenance costs, improve sailor quality of life, and/or sustain ship classes through their notional life or beyond. The budget purchases install various equipment including machinery pumps, generators, ships propellers and shafts, air compressors, davits, A/C Plants, and steam propulsion items. It also procures allowance items as required by the Coordinated Shipboard Allowance List (COSAL). Major programs are the CVN Class Machinery Plant Upgrades, MACHALTs, Carrier Auto Voltage Regulator (AVR), Solid State Lighting, and Patrol Coastal Modernization. [P40A / LT040 - AEC]: LT040 - AEC (ASSESSMENT OF EQUIPMENT CONDITION) This supports the implementation of Condition Based Maintenance (CBM) by providing work package validation for HM&E systems, pre-deployment HM&E systems condition assessment, on the job training and repair assistance to ships during TYCOM's TARGET process. These funds are for the outfitting and periodic replacement of the AEC team's Test Measurement and Diagnostic Equipment (TMDE) inventories, to provide deckplate diagnostic capability to improve the quality of AEC's process and products, and to leverage technology to streamline the visit process. [P40A / LT060 - Machalts]: LT060 - MACHALTS The Machinery Alteration Program (MACHALT) permits SHIPMAIN approved changes to HM&E equipment and systems which are contained within the boundaries of the individual equipment of systems and have limited system ramifications. [P40A / LT110 - Propellers and Shafts]: LT110- VARIOUS PROPELLERS AND SHAFTS This funding procures spare waterborne shafting (propeller shafts and stern tube shafts) and controllable pitch propeller (CPP) system end items such as propeller blades, hubs and oil distribution (OD) boxes used on DDG 51 class ships. These spares are required to meet DDG 51 class Fleet demand due to scheduled replacement caused by lifecycle wear and unscheduled replacements caused by CASREPs. The component have long repair turn-around times (1-2 years) and thus cannot be repaired and reused during an availability. The technical requirements and drydocking constraints drives the program to establish a rotatable pool to support replacements. The growing size of the DDG 51 class is driving the requirement to increase the number of spares to support a rotatable pool and ensure readiness. A malfunctioning propeller or shaft may result in excessive vibration, which could lead to damage of ship structures and equipment (bearings, main reduction gears, and bulkhead seal), increase of ship cavitation/noise, loss of speed or loss of motion.												

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment		P-1 Line Item Number / Title: 0981 / Items less than \$5 Million
ID Code (A=Service Ready, B=Not Service Ready) : B	Program Elements for Code B Items:	Other Related Program Elements:
[P40A / LT120 - Carrier Propulsion Plant Inspection]: Funds will be utilized to procure the latest technology inspection system tooling, i.e., laser-optic, ultrasonic, fiber-optic, electro-optic and computed radiography inspection systems.		
[P40A / LT130 - Steam Propulsion Items]: LT130 - STEAM PROPULSION ITEMS This provides for several initiatives oriented to upgrading boiler efficiency and safety with downstream maintenance effectiveness. In particular, the items procured include: Upgraded Stack Gas Analyzer (SGA) , Optimization Trim Loop Material including fuel oil meters, stack gas temperature sensors, electronic automatic boiler controls interface software/schema to improve steam plant efficiency, Upgraded electronic automatic boiler control (E-ABC) system process controllers/smart transmitters, Upgraded Boiler Water/Feedwater (BW/FW) Chemistry Analysis/Carbohydrazide Implementation Equipment., Upgraded SSTG Protective Devices (Overspeed Trips), and Upgrades to Boiler Igniter System (BIS) (Fuel Valve and Insert/Retract Air Actuators). The Steam Propulsion Improvement Program provides safe and reliable power for ship movement through the water, and, in addition, provides power to ships combat and habitability systems, whether electrical or steam dependent. At any given time, due to propulsion plant casualties, ship propulsion systems may be operating at reduced capability, adversely affecting the ship's mission(s). The Steam Propulsion improvement program encompasses steam and diesel propulsion surface ships in the Fleet, and provides for material upgrades to propulsion systems resulting in increased readiness, safety and reliability. Items can be installed during a scheduled or unscheduled availability by a shipyard, tender/ Intermediate Maintenance Activity or Alteration Installation Team (AIT).		
[P40A / LT311 - Integrated Condition Assessment System (ICAS)]: LT311-INTEGRATED CONDITION ASSESSMENT SYSTEM (ICAS) Integrated Condition Assessment System (ICAS) and the ICAS Remote Monitoring Utility (RMU) software package will allow ship-based and shore-based monitoring of Hull, Mechanical, and Electrical (HM&E) equipment aboard LSD 41/49 ships.		
[P40A / LT830 - Carrier Production Engineering]: The review and approval of any production contract technical documentation, or the separate development of this documentation, to include: Technical Manuals, Planned Maintenance System (PMS), Level III Production Drawings, Provisioning Technical Documentation (PTD), Program Support Data (PSD), and Allowance Parts List (APL); engineering support for final design reviews.		
[P3A / LT160 - Machinery Plant Upgrades]: LT160 - MACHINERY PLANT UPGRADES (INTEGRATED COMMUNICATIONS AND ADVANCED NETWORK (ICAN) ICAN provides core infrastructure (node rooms, air blown fiber optic cable plant, network services) for integrating voice, video and data systems. This capability is easily upgradeable for rapid and cost effective expansion to support new technologies, such as IT-21, and is compatible with the Navy's integrated Information Networks MOA.		
[P3A - 2 / LT240 - LPD17 HF Ale]: LT240 -LPD 17 HF ALE funding is required to procure/install high-priority USMC HF ALE, a system that significantly increases the probability of reliable USMC ship to shore communications between embarked and disembarked USMC operating forces		
[P3A - 3 / LT306 - Automated Voltage Regulator (AVR)]: LT306 - AUTOMATED VOLTAGE REGULATOR The CVN Automatic Voltage Regulator (AVR) is a microprocessor based voltage regulator system for the NIMITZ Class, programmed to replace the legacy analog voltage regulator, which, although operational, lacks the improved reliability and lower maintenance costs of the AVR. It controls the output voltage of a turbine generator (TG), which converts steam into the electricity used for aircraft and combat operations, and reactor cooling.		
[P3A - 4 / LT307 - Carrier Canned Lube Oil Pump]: The Canned Lube Oil Pump (CLOP) with a two-speed motor will replace both the Standby Lube Oil Pump (SLOP) and Emergency Lube Oil Pump (ELOP) on all CVN-68 Class ships. The ships have repeatedly overhauled SLOPs to replace turbine and reduction gear parts as well as replacing leaking mechanical seals at excessive costs. The ELOPs are also regularly overhauled to replace leaking mechanical seals. In addition, the installed ELOP does not meet all operational requirements for a Lube Oil System. The motor and pump are an integral piece on the CLOP which alleviates any alignment issues and a mechanical seal is no longer required.		
[P3A - 5 / LT308 - LHD Midlife, LHA Midlife/Sustainability]: LT308 - LHD MIDLIFE, LHA MIDLIFE/SUSTAINMENT Funding provides for the procurement of Rigid Inflatable Boat (RIB) Davits for LHA and LHD Class Ships. These allow ships to utilize Navy Standard 11M RIBs which replace antiquated Landing Craft Personnel (LCPL) boats which are no longer supported and present a maintenance burden, reduction in operational availability and jeopardize ships' ability to perform Anti-Terrorism Force Protection (ATFP) missions.		
[P3A - 6 / LT309 - Solid-State Lighting (SSL)]: LT309- SOLID-STATE LIGHTING (SSL) FIXTURES		

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0981 / Items less than \$5 Million											
ID Code (A=Service Ready, B=Not Service Ready) : B						Program Elements for Code B Items:						Other Related Program Elements:									
Solid State Lighting refers to a type of lighting that uses semiconductor Light-Emitting Diodes (LEDs), Organic Light-Emitting Diodes (OLEDs), or Polymer Light-Emitting Diodes (PLEDs) as sources of illumination rather than electrical filaments, plasma (used in arc lamps such as fluorescent lamps) or gas. Funds provide for replacement of fluoresent and incandescent lighting fixtures installed on surface combatants and Amphibious Class ships with a Solid-State Lighting (SSL) fixtures.																					
[P3A - 7 / LT312 - T-AGS AUV Support System]: LT312 - T-AGS 66 OCEANOGRAPHIC SURVEY MISSION EQUIPMENT Funds provide for the procurement and installation of Oceanographic Survey Mission equipment for the T-AGS 66. Specifically, a Side Scan Sonar (SSS), Autonomous Undersea Vehicle (AUV) Support System and Moving Vessel Profiler (MVP).																					
[P3A - 11 / LT315 - LCC20 Electrical Improvements.]: LCC EXTENDED SERVICE LIFE PROGRAM Funds provide for the procurement and installation of equipment in support of LCC 20 Extended Service Life Program extending this ship to a 2039 service life. Funds specifically provided for LCC 20 Electrical Switchboard upgrades.																					
[P3A - 12 / LT316 - Patrol Coastal ECDIS]: LT316 - PATROL COASTAL MODERNIZATION The PC Sustainment Program provides necessary modifications and upgrades to keep PC 1 class ships in-service and supportable through their expected service lives (until 2025). Upgrades include Heating, Ventilating and Air Conditioning (HVAC) upgrades, Navigation upgrades, Electronic Chart Display and Information System-Navy (ECDIS-N) upgrades, Forward Looking Infrared (FLIR)upgrades, and RHIB upgrades.																					
[P3A - 17 / LT318 - Carriers Passive Countermeasures System (PCMS)]: classified effort																					
[P3A - 19 / LSD Davit]: LT320 - LSD Davit Provide Davit capabilities to meet the new OPNAV LSD boat requirement for two 11M Rigid Hull Inflatable Boats (RHIBs). Previous requirement was one 7M RHIB and one 11M RHIB. New Davit provides RHIB Launching Capability that meets Mandatory Safety of Life At Sea (SOLAS), Force Protection and Mission Requirements (Amphibious Assault; Anti-Piracy; Visit, Board, Search, and Seizure (VBSS)).																					
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)	
Items Less than \$5M Programs	P-40a		-	-	86.392	-	-	15.685	-	-	8.806	-	-	10.018	-	-	-	-	-	10.018	
P-3a - 1 / LT160 - Machinery Plant Upgrades	P-3a		-	-	127.100	-	-	14.326	-	-	11.467	-	-	15.786	-	-	-	-	-	15.786	
P-3a - 2 / LT240 - LPD17 HF Ale	P-3a		-	-	5.350	-	-	0.697	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 3 / LT306 - Automated Voltage Regulator (AVR)	P-3a		-	-	44.287	-	-	0.717	-	-	7.128	-	-	6.093	-	-	-	-	-	6.093	
P-3a - 4 / LT307 - Carrier Canned Lube Oil Pump	P-3a		-	-	4.795	-	-	10.833	-	-	11.027	-	-	7.018	-	-	-	-	-	7.018	
P-3a - 5 / LT308 - LHD Midlife, LHA Midlife/ Sustainability	P-3a		-	-	15.025	-	-	-	-	-	0.400	-	-	1.332	-	-	-	-	-	1.332	

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0981 / Items less than \$5 Million										
ID Code (A=Service Ready, B=Not Service Ready) : B						Program Elements for Code B Items:						Other Related Program Elements:								
Exhibits Schedule			Prior Years			FY 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)
P-3a - 6 / LT309 - Solid-State Lighting (SSL)	P-3a		-	-	5.168	-	-	6.253	-	-	4.321	-	-	3.401	-	-	-	-	-	3.401
P-3a - 7 / LT312 - T-AGS AUV Support System	P-3a		-	-	1.614	-	-	1.726	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 8 / LT312 - T-AGS Mission Equipment Moving Vessel Profiler (MVP)	P-3a		-	-	0.762	-	-	0.095	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 9 / LT312 - T-AGS Side Scan Sonar (SSS)	P-3a		-	-	0.650	-	-	0.072	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 10 / LT314 - Carrier Oil Water Separator	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	1.749	-	-	-	-	-	1.749
P-3a - 11 / LT315 - LCC20 Electrical Improvements.	P-3a		-	-	0.000	-	-	2.504	-	-	2.980	-	-	-	-	-	-	-	-	-
P-3a - 12 / LT316 - Patrol Coastal ECDIS	P-3a		-	-	3.346	-	-	-	-	-	1.329	-	-	0.520	-	-	-	-	-	0.520
P-3a - 13 / LT316 - Patrol Coastal HVAC Upgrade	P-3a		-	-	12.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 14 / LT316 - Patrol Coastal Navigation Upgrade	P-3a		-	-	2.323	-	-	2.587	-	-	1.430	-	-	1.100	-	-	-	-	-	1.100
P-3a - 15 / LT316 - Patrol Coastal FLIR	P-3a		-	-	2.030	-	-	-	-	-	0.200	-	-	-	-	-	-	-	-	-
P-3a - 16 / LT316 - Patrol Coastal HVAC Upgrades Phase II	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	0.376	-	-	-	-	-	0.376
P-3a - 17 / LT318 - Carriers Passive Countermeasures System (PCMS)	P-3a		-	-	2.414	-	-	-	-	-	19.502	-	-	19.000	-	-	-	-	-	19.000
P-3a - 18 / LT319 - JSF Support - Heavy Unrep	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 19 / LT320 - LSD Boat Davit	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	2.355	-	-	-	-	-	2.355
Total Gross/Weapon System Cost			-	-	313.656	-	-	55.495	-	-	68.590	-	-	68.748	-	-	-	-	-	68.748
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			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)
Items Less than \$5M Programs	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / LT160 - Machinery Plant Upgrades	P-3a		-	-	58.174	-	-	33.875	-	-	30.079	-	-	39.109	-	-	-	-	-	329.916
P-3a - 2 / LT240 - LPD17 HF Ale	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.047

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment									P-1 Line Item Number / Title: 0981 / Items less than \$5 Million											
ID Code (A=Service Ready, B=Not Service Ready) : B						Program Elements for Code B Items:						Other Related Program Elements:								
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			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)
P-3a - 3 / LT306 - Automated Voltage Regulator (AVR)	P-3a		-	-	1.860	-	-	3.258	-	-	-	-	-	-	-	-	-	-	-	63.343
P-3a - 4 / LT307 - Carrier Canned Lube Oil Pump	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.673
P-3a - 5 / LT308 - LHD Midlife, LHA Midlife/ Sustainability	P-3a		-	-	6.767	-	-	2.435	-	-	1.994	-	-	2.006	-	-	-	-	-	29.959
P-3a - 6 / LT309 - Solid-State Lighting (SSL)	P-3a		-	-	3.400	-	-	3.458	-	-	3.520	-	-	3.587	-	-	-	-	-	33.108
P-3a - 7 / LT312 - T-AGS AUV Support System	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.340
P-3a - 8 / LT312 - T-AGS Mission Equipment Moving Vessel Profiler (MVP)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.857
P-3a - 9 / LT312 - T-AGS Side Scan Sonar (SSS)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.722
P-3a - 10 / LT314 - Carrier Oil Water Separator	P-3a		-	-	8.181	-	-	11.637	-	-	6.098	-	-	-	-	-	-	-	-	27.665
P-3a - 11 / LT315 - LCC20 Electrical Improvements.	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.484
P-3a - 12 / LT316 - Patrol Coastal ECDIS	P-3a		-	-	3.984	-	-	-	-	-	-	-	-	-	-	-	4.400	-	-	13.579
P-3a - 13 / LT316 - Patrol Coastal HVAC Upgrade	P-3a		-	-	2.100	-	-	-	-	-	-	-	-	-	-	-	9.200	-	-	23.700
P-3a - 14 / LT316 - Patrol Coastal Navigation Upgrade	P-3a		-	-	0.400	-	-	0.495	-	-	-	-	-	-	-	-	3.850	-	-	12.185
P-3a - 15 / LT316 - Patrol Coastal FLIR	P-3a		-	-	1.693	-	-	1.600	-	-	-	-	-	-	-	-	1.800	-	-	7.323
P-3a - 16 / LT316 - Patrol Coastal HVAC Upgrades Phase II	P-3a		-	-	1.900	-	-	2.210	-	-	-	-	-	-	-	-	1.975	-	-	6.461
P-3a - 17 / LT318 - Carriers Passive Countermeasures System (PCMS)	P-3a		-	-	23.280	-	-	16.780	-	-	18.000	-	-	18.610	-	-	-	-	-	117.586
P-3a - 18 / LT319 - JSF Support - Heavy Unrep	P-3a		-	-	0.838	-	-	3.045	-	-	2.207	-	-	-	-	-	-	-	-	6.090
P-3a - 19 / LT320 - LSD Boat Davit	P-3a		-	-	2.448	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.803
Total Gross/Weapon System Cost			-	-	132.661	-	-	90.809	-	-	76.291	-	-	78.051	-	-	21.225	-	-	905.526
*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.																				

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment		P-1 Line Item Number / Title: 0981 / Items less than \$5 Million
ID Code (A=Service Ready, B=Not Service Ready) : B	Program Elements for Code B Items:	Other Related Program Elements:

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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 / 01 / 9						P-1 Line Item Number / Title: 0981 / Items less than \$5 Million						Aggregated Items Title: Items Less than \$5M Programs									
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) LT040 - AEC																					
1.1) AEC	A		-	-	2.139	-	-	0.452	-	-	0.241	-	-	0.199	-	-	-	-	-	0.199	
Subtotal: 1) LT040 - AEC			-	-	2.139	-	-	0.452	-	-	0.241	-	-	0.199	-	-	-	-	-	0.199	
2) LT060 - Machalts																					
2.1) Machalts (Amphib Ships)	A		-	-	12.558	-	-	1.909	-	-	1.364	-	-	0.515	-	-	-	-	-	0.515	
2.2) Machalts (Surface Ships)	A		-	-	42.161	-	-	10.948	-	-	5.379	-	-	5.486	-	-	-	-	-	5.486	
Subtotal: 2) LT060 - Machalts			-	-	54.719	-	-	12.857	-	-	6.743	-	-	6.001	-	-	-	-	-	6.001	
3) LT110 - Propellers and Shafts																					
3.1) Blade Set Port/ STBD, DDG 51 CL	B		503,000.00	1	0.503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.2) Hub Port DDG51 CL	A		792,500.00	2	1.585	-	-	-	-	-	-	1,011K	1	1.011	-	-	-	1,011K	1	1.011	
3.3) Hub STBD DDG51 CL	A		923,200.00	5	4.616	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.4) Prop Shaft DDG51 CL	A		1,596K	6	9.573	-	-	-	1,358K	1	1.358	-	-	-	-	-	-	-	-	-	
3.5) Stern Tube DDG51 CL	A		1,080K	8	8.636	1,152K	1	1.152	-	-	-	1,193K	2	2.386	-	-	-	1,193K	2	2.386	
3.6) Oil Distribution (OD) Box, STBD DDG 51 CL CPP	A		205,250.00	8	1.642	239,000.00	1	0.239	-	-	-	-	-	-	-	-	-	-	-	-	
3.7) Oil Distribution (OD) Box, Port DDG 51 CL CPP	A		201,000.00	2	0.402	233,000.00	1	0.233	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 3) LT110 - Propellers and Shafts			-	-	26.957	-	-	1.624	-	-	1.358	-	-	3.397	-	-	-	-	-	3.397	
4) LT120 - Carrier Propulsion Plant Inspection																					
4.1) Propulsion Plant Inspection	A		-	-	0.863	-	-	0.170	-	-	0.170	-	-	0.170	-	-	-	-	-	0.170	
Subtotal: 4) LT120 - Carrier Propulsion Plant Inspection			-	-	0.863	-	-	0.170	-	-	0.170	-	-	0.170	-	-	-	-	-	0.170	
5) LT130 - Steam Propulsion Items																					
5.1) Steam Propulsion Items	A		-	-	1.516	-	-	0.327	-	-	0.254	-	-	0.211	-	-	-	-	-	0.211	
Subtotal: 5) LT130 - Steam Propulsion Items			-	-	1.516	-	-	0.327	-	-	0.254	-	-	0.211	-	-	-	-	-	0.211	
6) LT311 - Integrated Condition Assessment System (ICAS)																					
6.1) ICAS	A		-	-	-	-	-	0.215	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 6) LT311 - Integrated Condition			-	-	0.000	-	-	0.215	-	-	-	-	-	-	-	-	-	-	-	-	

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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 / 01 / 9						P-1 Line Item Number / Title: 0981 / Items less than \$5 Million						Aggregated Items Title: Items Less than \$5M Programs								
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)
Assessment System (ICAS)																				
7) LT830 - Carrier Production Engineering																				
7.1) Production Engineering	A		-	-	0.198	-	-	0.040	-	-	0.040	-	-	0.040	-	-	-	-	-	0.040
Subtotal: 7) LT830 - Carrier Production Engineering			-	-	0.198	-	-	0.040	-	-	0.040	-	-	0.040	-	-	-	-	-	0.040
Total			-	-	86.392	-	-	15.685	-	-	8.806	-	-	10.018	-	-	-	-	-	10.018

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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 / 01 / 9							P-1 Line Item Number / Title: 0981 / Items less than \$5 Million								Aggregated Items Title: Items Less than \$5M Programs					
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) LT040 - AEC																				
1.1) AEC	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) LT040 - AEC			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) LT060 - Machalts																				
2.1) Machalts (Amphib Ships)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Machalts (Surface Ships)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) LT060 - Machalts			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) LT110 - Propellers and Shafts																				
3.1) Blade Set Port/ STBD, DDG 51 CL	B		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) Hub Port DDG51 CL	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) Hub STBD DDG51 CL	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) Prop Shaft DDG51 CL	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.5) Stern Tube DDG51 CL	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.6) Oil Distribution (OD) Box, STBD DDG 51 CL CPP	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.7) Oil Distribution (OD) Box, Port DDG 51 CL CPP	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) LT110 - Propellers and Shafts			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) LT120 - Carrier Propulsion Plant Inspection																				
4.1) Propulsion Plant Inspection	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) LT120 - Carrier Propulsion Plant Inspection			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) LT130 - Steam Propulsion Items																				
5.1) Steam Propulsion Items	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) LT130 - Steam Propulsion Items			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) LT311 - Integrated Condition Assessment System (ICAS)																				
6.1) ICAS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) LT311 - Integrated Condition			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 / 01 / 9								P-1 Line Item Number / Title: 0981 / Items less than \$5 Million								Aggregated Items Title: Items Less than \$5M Programs				
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)
Assessment System (ICAS)																				
7) LT830 - Carrier Production Engineering																				
7.1) Production Engineering	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7) LT830 - Carrier Production Engineering			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 1 / LT160 - Machinery Plant Upgrades

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>)	127.100	14.326	11.467	15.786	-	15.786	58.174	33.875	30.079	39.109	-	329.916
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	127.100	14.326	11.467	15.786	-	15.786	58.174	33.875	30.079	39.109	-	329.916
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	127.100	14.326	11.467	15.786	-	15.786	58.174	33.875	30.079	39.109	-	329.916
<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:

ICAN provides core infrastructure (node rooms, air blown fiber optic cable plant, network services) for integrating voice, video and data systems. This capability is easily upgradable for rapid and cost effective expansion to support new technologies, such as IT-21, and is compatible with the Navy integrated Information Networks MOA.

[Machinery Plant Upgrades]

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million				Modification Number / Title: 1 / LT160 - Machinery Plant Upgrades					
Models of Systems Affected: Machinery Plant Upgrades				Modification Type: [No Modification Type Specified]				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: LT160 - Machinery Plant Upgrades													
B Kits													
Recurring													
1.1.1) Machinery Plant Upgrades - NonOrganic ⁽¹⁾	19 / 41.556	2 / 2.036	5 / 5.423	3 / 2.664	- / -	3 / 2.664	4 / 17.985	3 / 9.828	3 / 10.263	3 / 10.245	- / -	42 / 100.000	
Subtotal: Recurring	- / 41.556	- / 2.036	- / 5.423	- / 2.664	- / -	- / 2.664	- / 17.985	- / 9.828	- / 10.263	- / 10.245	- / -	- / 100.000	
Subtotal: LT160 - Machinery Plant Upgrades	19 / 41.556	2 / 2.036	5 / 5.423	3 / 2.664	- / -	3 / 2.664	4 / 17.985	3 / 9.828	3 / 10.263	3 / 10.245	- / -	42 / 100.000	
Subtotal: Procurement, All Modification Items	- / 41.556	- / 2.036	- / 5.423	- / 2.664	- / -	- / 2.664	- / 17.985	- / 9.828	- / 10.263	- / 10.245	- / -	- / 100.000	
Installation													
Modification Item 1 of 1: LT160 - Machinery Plant Upgrades	- / 85.544	- / 12.290	- / 6.044	- / 13.122	- / -	- / 13.122	- / 40.189	- / 24.047	- / 19.816	- / 28.864	- / -	- / 229.916	
Subtotal: Installation	- / 85.544	- / 12.290	- / 6.044	- / 13.122	- / -	- / 13.122	- / 40.189	- / 24.047	- / 19.816	- / 28.864	- / -	- / 229.916	
Total													
Total Cost (Procurement + Support + Installation)	127.100	14.326	11.467	15.786	-	15.786	58.174	33.875	30.079	39.109	-	329.916	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0981 / Items less than \$5 Million										Modification Number / Title: 1 / LT160 - Machinery Plant Upgrades												
Modification Item 1 of 1: LT160 - Machinery Plant Upgrades																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: various													Manufacturer Location: >various																			
Administrative Leadtime <i>(in Months)</i> : 2													Production Leadtime <i>(in Months)</i> : 5																			
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates		Feb 2013				Nov 2013				Nov 2014																						
Delivery Dates		Jul 2013				Apr 2014				Apr 2015																						
Installation Information																																
Method of Implementation: AIT : Installation Name: Machinery Plant Upgrades																																
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		19 / 84.354		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		19 / 84.354						
FY 2013		0 / 1.190		2 / 10.490		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 11.680						
FY 2014		- / -		- / 1.800		4 / 5.444		1 / 2.722		- / -		1 / 2.722		- / -		- / -		- / -		- / -		- / -		- / -		5 / 9.966						
FY 2015		- / -		- / -		- / 0.600		3 / 8.800		- / -		3 / 8.800		- / -		- / -		- / -		- / -		- / -		- / -		3 / 9.400						
FY 2016		- / -		- / -		- / -		- / 1.600		- / -		- / 1.600		4 / 33.489		- / -		- / -		- / -		- / -		- / -		4 / 35.089						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / 6.700		3 / 21.747		- / -		- / -		- / -		- / -		3 / 28.447						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 2.300		3 / 17.616		- / -		- / -		- / -		3 / 19.916						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 2.200		3 / 28.864		- / -		- / -		3 / 31.064						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		19 / 85.544		2 / 12.290		4 / 6.044		4 / 13.122		- / -		4 / 13.122		4 / 40.189		3 / 24.047		3 / 19.816		3 / 28.864		- / -		- / -		42 / 229.916						
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	19	-	-	2	-	-	-	-	2	2	1	-	3	-	-	2	1	1	-	2	1	-	-	1	-	2	-	1	1	1	-	42
Out	17	1	1	-	-	-	2	-	-	2	2	1	-	3	-	-	-	3	1	-	-	1	2	-	-	1	-	2	-	1	2	42
Footnotes: ⁽¹⁾ The cost of a shipset and install cost can vary depending on the configuration of the specific ship and the additional design efforts required.																																

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 2 / LT240 - LPD17 HF Ale

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>)	5.350	0.697	-	-	-	-	-	-	-	-	-	6.047
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	5.350	0.697	-	-	-	-	-	-	-	-	-	6.047
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5.350	0.697	-	-	-	-	-	-	-	-	-	6.047
<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:

Tests RF environment for clear channels. Increased probability of reliable communications by selecting best quality frequency from a pool of pre-programmed frequencies. This is a high priority USMC requirement.

[HF Ale]

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million				Modification Number / Title: 2 / LT240 - LPD17 HF Ale					
Models of Systems Affected: LPD17 HF Ale;			Modification Type: [No Modification Type Specified]					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: LT240 - LPD17 HF Ale													
B Kits													
Recurring													
1.1.1) HF Ale - NonOrganic	8 / 3.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 3.750	
Subtotal: Recurring	- / 3.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.750	
Subtotal: LT240 - LPD17 HF Ale	8 / 3.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 3.750	
Subtotal: Procurement, All Modification Items	- / 3.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.750	
Installation													
Modification Item 1 of 1: LT240 - LPD17 HF Ale	- / 1.600	- / 0.697	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.297	
Subtotal: Installation	- / 1.600	- / 0.697	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.297	
Total													
Total Cost (Procurement + Support + Installation)	5.350	0.697	-	-	-	-	-	-	-	-	-	6.047	

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Exhibit P-3a, Individual Modification: PB 2015 Navy											Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9											P-1 Line Item Number / Title: 0981 / Items less than \$5 Million											Modification Number / Title: 2 / LT240 - LPD17 HF Ale										
Modification Item 1 of 1: LT240 - LPD17 HF Ale																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: Harris														Manufacturer Location: >NY																		
Administrative Leadtime <i>(in Months)</i> : 3														Production Leadtime <i>(in Months)</i> : 14																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates																																
Delivery Dates																																
Installation Information																																
Method of Implementation: AIT : Installation Name: HF Ale																																
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		6 / 1.600		2 / 0.697		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		8 / 2.297						
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		6 / 1.600		2 / 0.697		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		8 / 2.297						
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	6	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	
Out	5	-	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million					Modification Number / Title: 3 / LT306 - Automated Voltage Regulator (AVR)			

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>)	44.287	0.717	7.128	6.093	-	6.093	1.860	3.258	-	-	-	63.343
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	44.287	0.717	7.128	6.093	-	6.093	1.860	3.258	-	-	-	63.343
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	44.287	0.717	7.128	6.093	-	6.093	1.860	3.258	-	-	-	63.343
<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 CVN Automatic Voltage Regulator (AVR) is a microprocessor based voltage regulator system for the NIMITZ Class, programmed to replace the legacy analog voltage regulator, which, although operational, lacks the improved reliability and lower maintenance costs of the AVR. It controls the output voltage of a turbine generator (TG), which converts steam into the electricity used for aircraft and combat operations, and reactor cooling.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million				Modification Number / Title: 3 / LT306 - Automated Voltage Regulator (AVR)					
Models of Systems Affected: Auto Voltage Regulator				Modification Type: [No Modification Type Specified]				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: LT306 - Automated Voltage Regulator (AVR)													
B Kits													
Recurring													
1.1.1) AVR - NonOrganic ⁽²⁾	49 / 22.060	- / -	4 / 2.565	8 / 5.400	- / -	8 / 5.400	- / -	- / -	- / -	- / -	- / -	61 / 30.025	
1.1.2) Field Engineering Services - NonOrganic	- / 1.117	- / -	- / 0.300	- / 0.300	- / -	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / 1.717	
Subtotal: Recurring	- / 23.177	- / -	- / 2.865	- / 5.700	- / -	- / 5.700	- / -	- / -	- / -	- / -	- / -	- / 31.742	
Subtotal: LT306 - Automated Voltage Regulator (AVR)	49 / 23.177	- / -	4 / 2.865	8 / 5.700	- / -	8 / 5.700	- / -	- / -	- / -	- / -	- / -	61 / 31.742	
Subtotal: Procurement, All Modification Items	- / 23.177	- / -	- / 2.865	- / 5.700	- / -	- / 5.700	- / -	- / -	- / -	- / -	- / -	- / 31.742	
Installation													
Modification Item 1 of 1: LT306 - Automated Voltage Regulator (AVR)	- / 21.110	- / 0.717	- / 4.263	- / 0.393	- / -	- / 0.393	- / 1.860	- / 3.258	- / -	- / -	- / -	- / 31.601	
Subtotal: Installation	- / 21.110	- / 0.717	- / 4.263	- / 0.393	- / -	- / 0.393	- / 1.860	- / 3.258	- / -	- / -	- / -	- / 31.601	
Total													
Total Cost (Procurement + Support + Installation)	44.287	0.717	7.128	6.093	-	6.093	1.860	3.258	-	-	-	63.343	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 3 / LT306 - Automated Voltage Regulator (AVR)

Modification Item 1 of 1: LT306 - Automated Voltage Regulator (AVR)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NG P/CS	Manufacturer Location: >MD
Administrative Leadtime (<i>in Months</i>): 2	Production Leadtime (<i>in Months</i>): 21

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Apr 2014	Jun 2015				
Delivery Dates		Jan 2016	Mar 2017				

Installation Information

Method of Implementation: SHIPYARD : Installation Name: AVR

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	37 / 21.110	- / 0.717	12 / 4.263	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	49 / 26.090
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / 0.393	- / -	- / 0.393	4 / 1.475	- / -	- / -	- / -	- / -	4 / 1.868
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.385	8 / 3.258	- / -	- / -	- / -	8 / 3.643
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	37 / 21.110	- / 0.717	12 / 4.263	- / 0.393	- / -	- / 0.393	4 / 1.860	8 / 3.258	- / -	- / -	- / -	61 / 31.601

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	37	-	-	-	-	-	-	4	8	-	-	-	-	-	-	4	-	-	8	-	-	-	-	-	-	-	-	-	-	-	61
Out	21	-	16	-	-	-	-	-	-	-	12	-	-	-	-	-	4	-	-	-	8	-	-	-	-	-	-	-	-	-	61

Footnotes:

⁽²⁾ The FY 12 AVR procurement contract award was October 2012. For the Oct 12 procurement, delivery will be incremented to support the scheduled FY 14 avails - 4 units in April 2014, 4 units in July 2014 and 4 units in Sept 2014. For the FY 14 AVR procurement, the contract option for 4 units is planned for award in April 2014. With a procurement lead time of 21 months, the delivery of the 4 units of the FY14

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 3 / LT306 - Automated Voltage Regulator (AVR)

procurement is Jan 2016. This will meet the in yard need date of these 4 units. For the FY 15 AVR procurement, the contract option for the 8 units is planned for award in June 2015. With a procurement time of 21 months the delivery of the 8 units of the FY 15 procurement is Mar 2017. This will meet the in yard need date of these 8 units

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 4 / LT307 - Carrier Canned Lube Oil Pump

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>)	4.795	10.833	11.027	7.018	-	7.018	-	-	-	-	-	33.673
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	4.795	10.833	11.027	7.018	-	7.018	-	-	-	-	-	33.673
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	4.795	10.833	11.027	7.018	-	7.018	-	-	-	-	-	33.673
<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 Canned Lube Oil Pump (CLOP) with a two-speed motor will replace both the Standby Lube Oil Pump (SLOP) and Emergency Lube Oil Pump (ELOP) on all CVN-68 Class ships. The ships have repeatedly overhauled SLOPs to replace turbine and reduction gear parts as well as replacing leaking mechanical seals at excessive costs. The ELOPs are also regularly overhauled to replace leaking mechanical seals. In addition, the installed ELOP does not meet all operational requirements for Lube Oil System. The motor and pump are an integral piece on the CLOP which alleviates any alignment issues and a mechanical seal is no longer required.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million						Modification Number / Title: 4 / LT307 - Carrier Canned Lube Oil Pump			
Models of Systems Affected: Carrier Canned Lube Oil Pump				Modification Type: [No Modification Type Specified]				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
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement													
Modification Item 1 of 1: LT307 - Carrier Canned Lube Oil Pump													
B Kits													
Recurring													
1.1.1) Canned Lube Oil Pump - NonOrganic ⁽³⁾		8 / 2.800	8 / 2.200	8 / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 7.200
Subtotal: Recurring		- / 2.800	- / 2.200	- / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.200
Subtotal: LT307 - Carrier Canned Lube Oil Pump		8 / 2.800	8 / 2.200	8 / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 7.200
Subtotal: Procurement, All Modification Items		- / 2.800	- / 2.200	- / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.200
Installation													
Modification Item 1 of 1: LT307 - Carrier Canned Lube Oil Pump		- / 1.995	- / 8.633	- / 8.827	- / 7.018	- / -	- / 7.018	- / -	- / -	- / -	- / -	- / -	- / 26.473
Subtotal: Installation		- / 1.995	- / 8.633	- / 8.827	- / 7.018	- / -	- / 7.018	- / -	- / -	- / -	- / -	- / -	- / 26.473
Total													
Total Cost (Procurement + Support + Installation)		4.795	10.833	11.027	7.018	-	7.018	-	-	-	-	-	33.673

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 4 / LT307 - Carrier Canned Lube Oil Pump

Modification Item 1 of 1: LT307 - Carrier Canned Lube Oil Pump

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: IMO Pumps	Manufacturer Location: >Monroe, NC
Administrative Leadtime (<i>in Months</i>): 2	Production Leadtime (<i>in Months</i>): 10

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jun 2013	Nov 2013					
Delivery Dates	Apr 2014	Sep 2014					

Installation Information

Method of Implementation: Shipyard : Installation Name: Canned Lube Oil Pump

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	0 / 1.995	8 / 6.918	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 8.913
FY 2013	- / -	- / 1.715	8 / 7.066	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 8.781
FY 2014	- / -	- / -	- / 1.761	8 / 7.018	- / -	8 / 7.018	- / -	- / -	- / -	- / -	- / -	8 / 8.779
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 1.995	8 / 8.633	8 / 8.827	8 / 7.018	- / -	8 / 7.018	- / -	- / -	- / -	- / -	- / -	24 / 26.473

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	-	-	-	8	-	-	-	-	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
Out	-	-	-	-	-	-	-	8	-	-	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24

Footnotes:

⁽³⁾ Note: Installation costs for Lube Oil Service Pump effort has been updated to reflect actual (higher) estimates from the performing activity (Puget Sound Naval Shipyard).

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 5 / LT308 - LHD Midlife, LHA Midlife/ Sustainability

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>	15.025	-	0.400	1.332	-	1.332	6.767	2.435	1.994	2.006	-	29.959
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	15.025	-	0.400	1.332	-	1.332	6.767	2.435	1.994	2.006	-	29.959
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	15.025	-	0.400	1.332	-	1.332	6.767	2.435	1.994	2.006	-	29.959

(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:

This shipalt installs Boat (RIB) Davits replacing Land Craft Personnel (LCPL) Davits on the LHA/LHD Class Ships.

[Boat (RIB) Davits]

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million				Modification Number / Title: 5 / LT308 - LHD Midlife, LHA Midlife/ Sustainability					
Models of Systems Affected: Boat (RIB) Davits				Modification Type: [No Modification Type Specified]				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: LT308 - LHD Midlife, LHA Midlife/Sustainability													
B Kits													
Recurring													
1.1.1) Boat (RIB) Davits - NonOrganic ⁽⁴⁾	9 / 7.725	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 7.725	
Subtotal: Recurring	- / 7.725	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.725	
Subtotal: LT308 - LHD Midlife, LHA Midlife/ Sustainability	9 / 7.725	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 7.725	
Subtotal: Procurement, All Modification Items	- / 7.725	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.725	
Installation													
Modification Item 1 of 1: LT308 - LHD Midlife, LHA Midlife/Sustainability	- / 7.300	- / -	- / 0.400	- / 1.332	- / -	- / 1.332	- / 6.767	- / 2.435	- / 1.994	- / 2.006	- / -	- / 22.234	
Subtotal: Installation	- / 7.300	- / -	- / 0.400	- / 1.332	- / -	- / 1.332	- / 6.767	- / 2.435	- / 1.994	- / 2.006	- / -	- / 22.234	
Total													
Total Cost (Procurement + Support + Installation)	15.025	-	0.400	1.332	-	1.332	6.767	2.435	1.994	2.006	-	29.959	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 5 / LT308 - LHD Midlife, LHA Midlife/ Sustainability

Modification Item 1 of 1: LT308 - LHD Midlife, LHA Midlife/Sustainability

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Welinlamvie				Manufacturer Location: >England			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 11			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: AIT : Installation Name: Boat (RIB) Davits

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	4 / 7.300	- / -	- / 0.400	- / 1.332	- / 0.000	- / 1.332	2 / 6.767	1 / 2.435	1 / 1.994	1 / 2.006	- / -	9 / 22.234
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 7.300	- / -	- / 0.400	- / 1.332	- / -	- / 1.332	2 / 6.767	1 / 2.435	1 / 1.994	1 / 2.006	- / -	9 / 22.234

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	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1	-	-	1	-	-	-	1	-	-	9
Out	4	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1	-	-	1	-	-	-	-	1	9

Footnotes:

(4) Funding is required in FY14 to support shipcheck and drawing development for the FY16 installation. FY15 funds are required to support advance planning and long lead time installation material for the FY16 installation and the shipcheck and drawing development for the FY17 installation.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million						Modification Number / Title: 6 / LT309 - Solid-State Lighting (SSL)		
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>)	5.168	6.253	4.321	3.401	-	3.401	3.400	3.458	3.520	3.587	-	33.108
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	5.168	6.253	4.321	3.401	-	3.401	3.400	3.458	3.520	3.587	-	33.108
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5.168	6.253	4.321	3.401	-	3.401	3.400	3.458	3.520	3.587	-	33.108
<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: Procure/Install solid state lighting fixtures to replace fluorescent and incandescent lighting fixtures installed on Surface combatants and Amphibious Class ships [Solid State Lighting]												

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million				Modification Number / Title: 6 / LT309 - Solid-State Lighting (SSL)				
Models of Systems Affected: Solid State Lighting			Modification Type: [No Modification Type Specified]					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: LT309 - Solid-State Lighting (SSL)												
B Kits												
Recurring												
1.1.1) Solid State Lighting - NonOrganic												
6 / 2.634 7 / 3.255 6 / 2.298 4 / 1.675 - / - 4 / 1.675 4 / 1.649 3 / 1.666 3 / 1.698 3 / 1.732 - / - 36 / 16.607												
Subtotal: Recurring												
- / 2.634 - / 3.255 - / 2.298 - / 1.675 - / - - / 1.675 - / 1.649 - / 1.666 - / 1.698 - / 1.732 - / - - / 16.607												
Subtotal: LT309 - Solid-State Lighting (SSL)												
6 / 2.634 7 / 3.255 6 / 2.298 4 / 1.675 - / - 4 / 1.675 4 / 1.649 3 / 1.666 3 / 1.698 3 / 1.732 - / - 36 / 16.607												
Subtotal: Procurement, All Modification Items												
- / 2.634 - / 3.255 - / 2.298 - / 1.675 - / - - / 1.675 - / 1.649 - / 1.666 - / 1.698 - / 1.732 - / - - / 16.607												
Installation												
Modification Item 1 of 1: LT309 - Solid-State Lighting (SSL)												
- / 2.534 - / 2.998 - / 2.023 - / 1.726 - / - - / 1.726 - / 1.751 - / 1.792 - / 1.822 - / 1.855 - / - - / 16.501												
Subtotal: Installation												
- / 2.534 - / 2.998 - / 2.023 - / 1.726 - / - - / 1.726 - / 1.751 - / 1.792 - / 1.822 - / 1.855 - / - - / 16.501												
Total												
Total Cost (Procurement + Support + Installation)												
5.168 6.253 4.321 3.401 - 3.401 3.400 3.458 3.520 3.587 - 33.108												

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0981 / Items less than \$5 Million										Modification Number / Title: 6 / LT309 - Solid-State Lighting (SSL)											
Modification Item 1 of 1: LT309 - Solid-State Lighting (SSL)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Energy Focus Inc															Manufacturer Location: >Solon, OH																
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 6																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Dec 2012				Dec 2013				Dec 2014																					
Delivery Dates		Jun 2013				Jun 2014				Jun 2015																					
Installation Information																															
Method of Implementation: AIT : Installation Name: Solid State Lighting																															
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		6 / 2.534		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 2.534					
FY 2013		- / -		7 / 2.998		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		7 / 2.998					
FY 2014		- / -		- / -		6 / 2.023		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 2.023					
FY 2015		- / -		- / -		- / -		4 / 1.726		- / -		4 / 1.726		- / -		- / -		- / -		- / -		- / -		- / -		4 / 1.726					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		4 / 1.751		- / -		- / -		- / -		- / -		- / -		4 / 1.751					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		3 / 1.792		- / -		- / -		- / -		- / -		3 / 1.792					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		3 / 1.822		- / -		- / -		- / -		3 / 1.822					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		3 / 1.855		- / -		- / -		3 / 1.855					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		6 / 2.534		7 / 2.998		6 / 2.023		4 / 1.726		- / -		4 / 1.726		4 / 1.751		3 / 1.792		3 / 1.822		3 / 1.855		- / -		- / -		36 / 16.501					
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	-	6	-	7	-	-	-	6	-	-	-	4	-	-	-	4	-	-	-	3	-	-	-	3	-	-	-	3	-	-	36
Out	-	-	6	-	7	-	-	-	6	-	-	-	4	-	-	-	4	-	-	-	3	-	-	-	3	-	-	-	3	-	36

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 7 / LT312 - T-AGS AUV Support System

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>)	1.614	1.726	-	-	-	-	-	-	-	-	-	3.340
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1.614	1.726	-	-	-	-	-	-	-	-	-	3.340
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1.614	1.726	-	-	-	-	-	-	-	-	-	3.340
<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 Autonomous Undersea Vehicle (AUV) is an autonomous (unmanned and un-tethered) mobile sensor platform to support multiple sensor payloads for search and survey in coastal waters.

[AUV Support System]

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9					P-1 Line Item Number / Title: 0981 / Items less than \$5 Million					Modification Number / Title: 7 / LT312 - T-AGS AUV Support System			
Models of Systems Affected: T-AGS AUV Support System					Modification Type: [No Modification Type Specified]					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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> LT312 - T-AGS AUV Support System													
B Kits													
Recurring													
1.1.1) AUV Support System - NonOrganic	1 / 1.614	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.614	
<i>Subtotal: Recurring</i>	- / 1.614	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.614	
<i>Subtotal: LT312 - T-AGS AUV Support System</i>	1 / 1.614	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.614	
<i>Subtotal: Procurement, All Modification Items</i>	- / 1.614	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.614	
Installation													
<i>Modification Item 1 of 1:</i> LT312 - T-AGS AUV Support System	- / 0.000	- / 1.726	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.726	
<i>Subtotal: Installation</i>	- / 0.000	- / 1.726	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.726	
Total													
Total Cost (Procurement + Support + Installation)	1.614	1.726	-	-	-	-	-	-	-	-	-	3.340	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 7 / LT312 - T-AGS AUV Support System

Modification Item 1 of 1: LT312 - T-AGS AUV Support System

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: VARIOUS				Manufacturer Location: >VARIOUS			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 15			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: AIT : Installation Name: AUV Support System

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 / 1.726	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.726
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 1.726	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.726

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

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 8 / LT312 - T-AGS Mission Equipment Moving Vessel Profiler (MVP)

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>	0.762	0.095	-	-	-	-	-	-	-	-	-	0.857
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.762	0.095	-	-	-	-	-	-	-	-	-	0.857
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.762	0.095	-	-	-	-	-	-	-	-	-	0.857

(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:

Moving Vessel Profiler (MVP) is a multi-purpose instrument for aiding in the collection of both shallow and deep water data sets. The MVP's primary function is to allow accurate data collection without the need to stop the ship.

[T-AGS MVP]

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million				Modification Number / Title: 8 / LT312 - T-AGS Mission Equipment Moving Vessel Profiler (MVP)					
Models of Systems Affected: TAG-S MVP				Modification Type: [No Modification Type Specified]				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: LT312 - T-AGS Mission Equipment Moving Vessel Profiler (MVP)													
B Kits													
Recurring													
1.1.1) T-AGS MVP - NonOrganic		1 / 0.762	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.762	
Subtotal: Recurring		- / 0.762	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.762	
Subtotal: LT312 - T-AGS Mission Equipment Moving Vessel Profiler (MVP)		1 / 0.762	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.762	
Subtotal: Procurement, All Modification Items		- / 0.762	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.762	
Installation													
Modification Item 1 of 1: LT312 - T-AGS Mission Equipment Moving Vessel Profiler (MVP)		- / 0.000	- / 0.095	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.095	
Subtotal: Installation		- / 0.000	- / 0.095	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.095	
Total													
Total Cost (Procurement + Support + Installation)		0.762	0.095	-	-	-	-	-	-	-	-	0.857	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0981 / Items less than \$5 Million										Modification Number / Title: 8 / LT312 - T-AGS Mission Equipment Moving Vessel Profiler (MVP)											
Modification Item 1 of 1: LT312 - T-AGS Mission Equipment Moving Vessel Profiler (MVP)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Rolls Royce															Manufacturer Location: >Marine Canada																
Administrative Leadtime (<i>in Months</i>): 3															Production Leadtime (<i>in Months</i>): 15																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: AIT : Installation Name: T-AGS MVP																															
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																		
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																	
Prior Years		- / -	1 / 0.095	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.095																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	1 / 0.095	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.095																		
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

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 9 / LT312 - T-AGS Side Scan Sonar (SSS)

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>	0.650	0.072	-	-	-	-	-	-	-	-	-	0.722
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.650	0.072	-	-	-	-	-	-	-	-	-	0.722
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.650	0.072	-	-	-	-	-	-	-	-	-	0.722

(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:

Side Scan Sonar (SSS) is used for mapping the seabed for a wide variety of purposes, including creation of nautical charts and detection and identification of underwater objects and bathymetric features.

[Side Scan Sonar (SSS)]

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million						Modification Number / Title: 9 / LT312 - T-AGS Side Scan Sonar (SSS)				
Models of Systems Affected: T-AGS Side Scan Sonar (SSS)				Modification Type: [No Modification Type Specified]						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	
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement														
<i>Modification Item 1 of 1:</i> LT312 - T-AGS Side Scan Sonar (SSS)														
B Kits														
Recurring														
1.1.1) Side Scan Sonar (SSS) - NonOrganic		1 / 0.650	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.650
<i>Subtotal: Recurring</i>		- / 0.650	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.650
<i>Subtotal: LT312 - T-AGS Side Scan Sonar (SSS)</i>		1 / 0.650	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.650
<i>Subtotal: Procurement, All Modification Items</i>		- / 0.650	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.650
Installation														
<i>Modification Item 1 of 1:</i> LT312 - T-AGS Side Scan Sonar (SSS)		- / 0.000	- / 0.072	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.072
<i>Subtotal: Installation</i>		- / 0.000	- / 0.072	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.072
Total														
Total Cost (Procurement + Support + Installation)		0.650	0.072	-	-	-	-	-	-	-	-	-	-	0.722

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 9 / LT312 - T-AGS Side Scan Sonar (SSS)

Modification Item 1 of 1: LT312 - T-AGS Side Scan Sonar (SSS)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: L-3 Klein Associates, Inc.

Manufacturer Location: >Salem, NH

Administrative Leadtime (*in Months*): 3

Production Leadtime (*in Months*): 15

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

Installation Information

Method of Implementation: AIT : Installation Name: Side Scan Sonar (SSS)

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 / 0.072	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.072
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / 0.072	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.072

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

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 10 / LT314 - Carrier Oil Water Separator

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>)	0.000	-	-	1.749	-	1.749	8.181	11.637	6.098	-	-	27.665
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	1.749	-	1.749	8.181	11.637	6.098	-	-	27.665
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	1.749	-	1.749	8.181	11.637	6.098	-	-	27.665
(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:

The Oil Water Separator (OWS) will be installed on the CVN 68 Class to meet the new environmental discharge law of 15 parts per million (ppm) worldwide. The current OWSs installed on CVN 68 Class experience a high degree of costly maintenance and reliability issues and they do not meet the 15 ppm requirement.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million					Modification Number / Title: 10 / LT314 - Carrier Oil Water Separator				
Models of Systems Affected: Carrier Oil Water Separator				Modification Type: [No Modification Type Specified]				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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> LT314 - Carrier Oil Water Separator													
B Kits													
Recurring													
1.1.1) Oil Water Separator - NonOrganic ⁽⁵⁾	- / -	- / -	- / -	2 / 1.160	- / -	2 / 1.160	6 / 3.630	2 / 2.420	- / -	- / -	- / -	10 / 7.210	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / -	- / 1.160	- / -	- / 1.160	- / 3.630	- / 2.420	- / -	- / -	- / -	- / 7.210	
<i>Subtotal: LT314 - Carrier Oil Water Separator</i>	- / -	- / -	- / -	2 / 1.160	- / -	2 / 1.160	6 / 3.630	2 / 2.420	- / -	- / -	- / -	10 / 7.210	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / -	- / 1.160	- / -	- / 1.160	- / 3.630	- / 2.420	- / -	- / -	- / -	- / 7.210	
Installation													
<i>Modification Item 1 of 1:</i> LT314 - Carrier Oil Water Separator	- / 0.000	- / -	- / -	- / 0.589	- / -	- / 0.589	- / 4.551	- / 9.217	- / 6.098	- / -	- / -	- / 20.455	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / 0.589	- / -	- / 0.589	- / 4.551	- / 9.217	- / 6.098	- / -	- / -	- / 20.455	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	1.749	-	1.749	8.181	11.637	6.098	-	-	27.665	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 10 / LT314 - Carrier Oil Water Separator

Modification Item 1 of 1: LT314 - Carrier Oil Water Separator

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: TBD				Manufacturer Location: >TBD			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates			Nov 2014				
Delivery Dates			Nov 2015				

Installation Information

Method of Implementation: AIT : Installation Name: Oil Water Separator

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	- / -	- / -	- / -	- / 0.589	- / -	- / 0.589	2 / 3.129	- / -	- / -	- / -	- / -	2 / 3.718
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.422	6 / 8.675	- / -	- / -	- / -	6 / 10.097
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.542	2 / 6.098	- / -	- / -	2 / 6.640
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / 0.589	- / -	- / 0.589	2 / 4.551	6 / 9.217	2 / 6.098	- / -	- / -	10 / 20.455

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	2	2	-	-	-	2	-	-	-	-	-	10
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	2	-	-	2	-	2	-	-	-	10

Footnotes:

⁽⁵⁾ In FY17, the procurement unit cost is double of the other hulls due to the unique configuration of CVN 69. CVN 69 is the only hull which presently has the High Capacity Oil Water Separator and requires more extensive modification than the other hulls to meet the 15 PPM discharge requirement.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million				Modification Number / Title: 11 / LT315 - LCC20 Electrical Improvements.			

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>)	0.000	2.504	2.980	-	-	-	-	-	-	-	-	5.484
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	2.504	2.980	-	-	-	-	-	-	-	-	5.484
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	2.504	2.980	-	-	-	-	-	-	-	-	5.484
(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:

Procurement and installation of upgrade to USS MOUNT WHITNEY (LCC 20) Electrical Distribution System in support of the Extended Service Life Program. Procures and installs electrical switchboard upgrades.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million				Modification Number / Title: 11 / LT315 - LCC20 Electrical Improvements.					
Models of Systems Affected: LCC20 Electrical Improvement				Modification Type: [No Modification Type Specified]				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: LT315 - LCC20 Electrical Improvements.													
B Kits													
Recurring													
1.1.1) LCC20 Electrical Improvement - NonOrganic ⁽⁶⁾	- / -	1 / 2.504	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.504	
Subtotal: Recurring	- / 0.000	- / 2.504	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.504	
Subtotal: LT315 - LCC20 Electrical Improvements.	- / -	1 / 2.504	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.504	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 2.504	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.504	
Installation													
Modification Item 1 of 1: LT315 - LCC20 Electrical Improvements.	- / 0.000	- / -	- / 2.980	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.980	
Subtotal: Installation	- / 0.000	- / -	- / 2.980	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.980	
Total													
Total Cost (Procurement + Support + Installation)	0.000	2.504	2.980	-	-	-	-	-	-	-	-	5.484	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 11 / LT315 - LCC20 Electrical Improvements.

Modification Item 1 of 1: LT315 - LCC20 Electrical Improvements.

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: General Electric	Manufacturer Location: >Pittsburgh, PA
Administrative Leadtime (<i>in Months</i>): 2	Production Leadtime (<i>in Months</i>): 12

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

Installation Information

Method of Implementation: AIT : Installation Name: LCC20 Electrical Improvement

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 / 2.980	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.980
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	1 / 2.980	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.980

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:

⁽⁶⁾ Switchboard upgrades procured in FY13 require approximately 5 month land based government testing post delivery. Procurement of the Electrical switchboard upgrade (12 month PLT) is in FY13 with install in FY14.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 12 / LT316 - Patrol Coastal ECDIS

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>)	3.346	-	1.329	0.520	-	0.520	3.984	-	-	-	4.400	13.579
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	3.346	-	1.329	0.520	-	0.520	3.984	-	-	-	4.400	13.579
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3.346	-	1.329	0.520	-	0.520	3.984	-	-	-	4.400	13.579
<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:

Funding provided for Electronic Chart Display Information System-Navy (ECDIS-N) for the Patrol Coastal Ships. This modification installs hardware and software for an approved ECDIS-N for digital nautical charts aboard the PC-1 Class ships per CNO direction to transition from paper to electronic charts.

[ECDIS-N]

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million				Modification Number / Title: 12 / LT316 - Patrol Coastal ECDIS					
Models of Systems Affected: PC ECDIS			Modification Type: [No Modification Type Specified]					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: LT316 - Patrol Coastal ECDIS													
B Kits													
Recurring													
1.1.1) ECDIS-N - NonOrganic		4 / 2.011	- / -	1 / 0.530	1 / 0.520	- / -	1 / 0.520	3 / 1.584	- / -	- / -	- / -	4 / 2.400	13 / 7.045
Subtotal: Recurring		- / 2.011	- / -	- / 0.530	- / 0.520	- / -	- / 0.520	- / 1.584	- / -	- / -	- / -	- / 2.400	- / 7.045
Subtotal: LT316 - Patrol Coastal ECDIS		4 / 2.011	- / -	1 / 0.530	1 / 0.520	- / -	1 / 0.520	3 / 1.584	- / -	- / -	- / -	4 / 2.400	13 / 7.045
Subtotal: Procurement, All Modification Items		- / 2.011	- / -	- / 0.530	- / 0.520	- / -	- / 0.520	- / 1.584	- / -	- / -	- / -	- / 2.400	- / 7.045
Installation													
Modification Item 1 of 1: LT316 - Patrol Coastal ECDIS		- / 1.335	- / -	- / 0.799	- / -	- / -	- / -	- / 2.400	- / -	- / -	- / -	- / 2.000	- / 6.534
Subtotal: Installation		- / 1.335	- / -	- / 0.799	- / -	- / -	- / -	- / 2.400	- / -	- / -	- / -	- / 2.000	- / 6.534
Total													
Total Cost (Procurement + Support + Installation)		3.346	-	1.329	0.520	-	0.520	3.984	-	-	-	4.400	13.579

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0981 / Items less than \$5 Million										Modification Number / Title: 12 / LT316 - Patrol Coastal ECDIS												
Modification Item 1 of 1: LT316 - Patrol Coastal ECDIS																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: NORTHROP GRUMMAN SYSYSTEMS CORP.															Manufacturer Location: >CHARLOTTESVILLE, VA																	
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 6																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates						Jul 2014				Jul 2015																						
Delivery Dates						Dec 2014				Dec 2015																						
Installation Information																																
Method of Implementation: AIT : Installation Name: ECDIS-N																																
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 / 1.335		- / -		2 / 0.799		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 2.134						
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.480		- / -		- / -		- / -		- / -		- / -		1 / 0.480						
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.480		- / -		- / -		- / -		- / -		- / -		1 / 0.480						
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		3 / 1.440		- / -		- / -		- / -		- / -		- / -		3 / 1.440						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 2.000		4 / 2.000						
Total		2 / 1.335		- / -		2 / 0.799		- / -		- / -		- / -		5 / 2.400		- / -		- / -		- / -		- / -		4 / 2.000		13 / 6.534						
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	-	-	-	-	2	-	-	-	-	-	2	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	4	13
Out	1	-	-	-	1	-	-	-	2	-	-	-	-	-	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	4	13

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 13 / LT316 - Patrol Coastal HVAC Upgrade

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>	12.400	-	-	-	-	-	2.100	-	-	-	9.200	23.700
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	12.400	-	-	-	-	-	2.100	-	-	-	9.200	23.700
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	12.400	-	-	-	-	-	2.100	-	-	-	9.200	23.700

(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:

Funding procures HVAC Upgrades for Patrol Coastal ships.

[HVAC Upgrade]

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9					P-1 Line Item Number / Title: 0981 / Items less than \$5 Million					Modification Number / Title: 13 / LT316 - Patrol Coastal HVAC Upgrade			
Models of Systems Affected: PC HVAC Upgrade			Modification Type: [No Modification Type Specified]					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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> LT316 - Patrol Coastal HVAC Upgrade													
B Kits													
Recurring													
1.1.1) HVAC Upgrade - NonOrganic	8 / 4.500	- / -	- / -	- / -	- / -	- / -	1 / 0.940	- / -	- / -	- / -	4 / 4.000	13 / 9.440	
<i>Subtotal: Recurring</i>	- / 4.500	- / -	- / -	- / -	- / -	- / -	- / 0.940	- / -	- / -	- / -	- / 4.000	- / 9.440	
<i>Subtotal: LT316 - Patrol Coastal HVAC Upgrade</i>	8 / 4.500	- / -	- / -	- / -	- / -	- / -	1 / 0.940	- / -	- / -	- / -	4 / 4.000	13 / 9.440	
<i>Subtotal: Procurement, All Modification Items</i>	- / 4.500	- / -	- / -	- / -	- / -	- / -	- / 0.940	- / -	- / -	- / -	- / 4.000	- / 9.440	
Installation													
<i>Modification Item 1 of 1:</i> LT316 - Patrol Coastal HVAC Upgrade	- / 7.900	- / -	- / -	- / -	- / -	- / -	- / 1.160	- / -	- / -	- / -	- / 5.200	- / 14.260	
<i>Subtotal: Installation</i>	- / 7.900	- / -	- / -	- / -	- / -	- / -	- / 1.160	- / -	- / -	- / -	- / 5.200	- / 14.260	
Total													
Total Cost (Procurement + Support + Installation)	12.400	-	-	-	-	-	2.100	-	-	-	9.200	23.700	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0981 / Items less than \$5 Million										Modification Number / Title: 13 / LT316 - Patrol Coastal HVAC Upgrade											
Modification Item 1 of 1: LT316 - Patrol Coastal HVAC Upgrade																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Manufacturer Name Not Provided.															Manufacturer Location: Manufacturer Location Not Provided.																
Administrative Leadtime <i>(in Months)</i> :															Production Leadtime <i>(in Months)</i> :																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: AIT : Installation Name: HVAC Upgrade																															
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								
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>								
Prior Years		8 / 7.900	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	8 / 7.900							
FY 2013		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2014		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2015		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2016		-	/	-	-	/	-	-	/	-	-	/	-	1 / 1.160	-	/	-	-	/	-	-	/	-	-	/	1 / 1.160					
FY 2017		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2018		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2019		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
To Complete		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	4 / 5.200	4 / 5.200							
Total		8 / 7.900	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	1 / 1.160	-	/	-	-	/	-	4 / 5.200	13 / 14.260					
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	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4	13
Out	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4	13

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 14 / LT316 - Patrol Coastal Navigation Upgrade

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>)	2.323	2.587	1.430	1.100	-	1.100	0.400	0.495	-	-	3.850	12.185
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	2.323	2.587	1.430	1.100	-	1.100	0.400	0.495	-	-	3.850	12.185
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2.323	2.587	1.430	1.100	-	1.100	0.400	0.495	-	-	3.850	12.185
<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:

Funding provided for Navigation Upgrades for the Patrol Coastal Ships. The navigation sensor suite modernization provides essential technology improvements using the mobility mission support equipment, satellite-based position keeping, electronic heading, and automatic helm control.

[Navigation Upgrade]

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million				Modification Number / Title: 14 / LT316 - Patrol Coastal Navigation Upgrade					
Models of Systems Affected: PC Navigation Upgrade				Modification Type: [No Modification Type Specified]				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: LT316 - Patrol Coastal Navigation Upgrade													
B Kits													
Recurring													
1.1.1) Navigation Upgrade - NonOrganic		5 / 1.345	3 / 0.982	- / -	- / -	- / -	- / -	1 / 0.400	- / -	- / -	- / -	4 / 1.850	13 / 4.577
Subtotal: Recurring		- / 1.345	- / 0.982	- / -	- / -	- / -	- / -	- / 0.400	- / -	- / -	- / -	- / 1.850	- / 4.577
Subtotal: LT316 - Patrol Coastal Navigation Upgrade		5 / 1.345	3 / 0.982	- / -	- / -	- / -	- / -	1 / 0.400	- / -	- / -	- / -	4 / 1.850	13 / 4.577
Subtotal: Procurement, All Modification Items		- / 1.345	- / 0.982	- / -	- / -	- / -	- / -	- / 0.400	- / -	- / -	- / -	- / 1.850	- / 4.577
Installation													
Modification Item 1 of 1: LT316 - Patrol Coastal Navigation Upgrade		- / 0.978	- / 1.605	- / 1.430	- / 1.100	- / -	- / 1.100	- / -	- / 0.495	- / -	- / -	- / 2.000	- / 7.608
Subtotal: Installation		- / 0.978	- / 1.605	- / 1.430	- / 1.100	- / -	- / 1.100	- / -	- / 0.495	- / -	- / -	- / 2.000	- / 7.608
Total													
Total Cost (Procurement + Support + Installation)		2.323	2.587	1.430	1.100	-	1.100	0.400	0.495	-	-	3.850	12.185

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 14 / LT316 - Patrol Coastal Navigation Upgrade

Modification Item 1 of 1: LT316 - Patrol Coastal Navigation Upgrade

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: TBD				Manufacturer Location: >TBD			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 15			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Nov 2013						
Delivery Dates	Jan 2015						

Installation Information

Method of Implementation: AIT : Installation Name: Navigation Upgrade

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 / 0.978	3 / 1.605	1 / 0.715	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.298
FY 2013	- / -	- / -	1 / 0.715	2 / 1.100	- / -	2 / 1.100	- / -	- / -	- / -	- / -	- / -	3 / 1.815
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.495	- / -	- / -	- / -	1 / 0.495
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 2.000	4 / 2.000
Total	1 / 0.978	3 / 1.605	2 / 1.430	2 / 1.100	- / -	2 / 1.100	- / -	1 / 0.495	- / -	- / -	4 / 2.000	13 / 7.608

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	2	-	1	-	-	-	1	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	4	13
Out	1	-	-	1	2	-	1	-	-	-	1	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	4	13

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 15 / LT316 - Patrol Coastal FLIR

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>	2.030	-	0.200	-	-	-	1.693	1.600	-	-	1.800	7.323
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	2.030	-	0.200	-	-	-	1.693	1.600	-	-	1.800	7.323
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	2.030	-	0.200	-	-	-	1.693	1.600	-	-	1.800	7.323
<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:

Funding provided for the Forward Looking Infrared (FLIR) mod on Patrol Coastal Ship. FLIR Mod replaces an obsolete system and installs an Electro-Optic system that provides situational awareness with visual imagery along with detailed ship system and target information.

[FLIR]

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million				Modification Number / Title: 15 / LT316 - Patrol Coastal FLIR				
Models of Systems Affected: PC FLIR			Modification Type: [No Modification Type Specified]				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: LT316 - Patrol Coastal FLIR												
B Kits												
Recurring												
1.1.1) FLIR - NonOrganic	4 / 1.779	- / -	- / -	- / -	- / -	- / -	3 / 1.423	3 / 1.450	- / -	- / -	3 / 1.500	13 / 6.152
Subtotal: Recurring	- / 1.779	- / -	- / -	- / -	- / -	- / -	- / 1.423	- / 1.450	- / -	- / -	- / 1.500	- / 6.152
Subtotal: LT316 - Patrol Coastal FLIR	4 / 1.779	- / -	- / -	- / -	- / -	- / -	3 / 1.423	3 / 1.450	- / -	- / -	3 / 1.500	13 / 6.152
Subtotal: Procurement, All Modification Items	- / 1.779	- / -	- / -	- / -	- / -	- / -	- / 1.423	- / 1.450	- / -	- / -	- / 1.500	- / 6.152
Installation												
Modification Item 1 of 1: LT316 - Patrol Coastal FLIR	- / 0.251	- / -	- / 0.200	- / -	- / -	- / -	- / 0.270	- / 0.150	- / -	- / -	- / 0.300	- / 1.171
Subtotal: Installation	- / 0.251	- / -	- / 0.200	- / -	- / -	- / -	- / 0.270	- / 0.150	- / -	- / -	- / 0.300	- / 1.171
Total												
Total Cost (Procurement + Support + Installation)	2.030	-	0.200	-	-	-	1.693	1.600	-	-	1.800	7.323

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0981 / Items less than \$5 Million										Modification Number / Title: 15 / LT316 - Patrol Coastal FLIR											
Modification Item 1 of 1: LT316 - Patrol Coastal FLIR																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: FLIR Systems															Manufacturer Location: >Portland, Oregon																
Administrative Leadtime (in Months): 0															Production Leadtime (in Months): 3																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: AIT : Installation Name: FLIR																															
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)										
Prior Years		2 / 0.251		- / -		2 / 0.200		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 0.451							
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		3 / 0.270		- / -		- / -		- / -		- / -		3 / 0.270							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		3 / 0.150		- / -		- / -		- / -		3 / 0.150							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		3 / 0.300		3 / 0.300							
Total		2 / 0.251		- / -		2 / 0.200		- / -		- / -		- / -		3 / 0.270		3 / 0.150		- / -		- / -		3 / 0.300		13 / 1.171							
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	-	-	-	-	-	-	-	-	3	-	-	-	3	-	-	-	-	-	-	-	-	-	3	13
Out	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	3	-	-	-	3	-	-	-	-	-	-	-	-	-	3	13

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 16 / LT316 - Patrol Coastal HVAC Upgrades Phase II

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>	0.000	-	-	0.376	-	0.376	1.900	2.210	-	-	1.975	6.461
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	0.376	-	0.376	1.900	2.210	-	-	1.975	6.461
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	0.376	-	0.376	1.900	2.210	-	-	1.975	6.461

(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:

Funding procures HVAC Upgrades for Patrol Coastal ships.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million				Modification Number / Title: 16 / LT316 - Patrol Coastal HVAC Upgrades Phase II					
Models of Systems Affected: PC HVAC Upgrade Phase II				Modification Type: [No Modification Type Specified]				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: LT316 - Patrol Coastal HVAC Upgrades Phase II													
B Kits													
Recurring													
1.1.1) HVAC Upgrades Phase II - NonOrganic ⁽⁷⁾		- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.500	1 / 0.300	- / -	- / -	2 / 0.700	8 / 2.500
Subtotal: Recurring		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.500	- / 0.300	- / -	- / -	- / 0.700	- / 2.500
Subtotal: LT316 - Patrol Coastal HVAC Upgrades Phase II		- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.500	1 / 0.300	- / -	- / -	2 / 0.700	8 / 2.500
Subtotal: Procurement, All Modification Items		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.500	- / 0.300	- / -	- / -	- / 0.700	- / 2.500
Installation													
Modification Item 1 of 1: LT316 - Patrol Coastal HVAC Upgrades Phase II		- / 0.000	- / -	- / -	- / 0.376	- / -	- / 0.376	- / 0.400	- / 1.910	- / -	- / -	- / 1.275	- / 3.961
Subtotal: Installation		- / 0.000	- / -	- / -	- / 0.376	- / -	- / 0.376	- / 0.400	- / 1.910	- / -	- / -	- / 1.275	- / 3.961
Total													
Total Cost (Procurement + Support + Installation)		0.000	-	-	0.376	-	0.376	1.900	2.210	-	-	1.975	6.461

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 16 / LT316 - Patrol Coastal HVAC Upgrades Phase II

Modification Item 1 of 1: LT316 - Patrol Coastal HVAC Upgrades Phase II

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: TBD				Manufacturer Location: >TBD			
Administrative Leadtime (<i>in Months</i>): 1				Production Leadtime (<i>in Months</i>): 3			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							

Installation Information

Method of Implementation: AIT : Installation Name: HVAC Upgrades Phase II

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	- / -	- / -	- / -	- / 0.376	- / -	- / 0.376	1 / 0.400	4 / 1.910	- / -	- / -	- / -	5 / 2.686
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.425	1 / 0.425
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.850	2 / 0.850
Total	- / -	- / -	- / -	- / 0.376	- / -	- / 0.376	1 / 0.400	4 / 1.910	- / -	- / -	3 / 1.275	8 / 3.961

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	-	4	-	-	-	-	-	-	-	-	-	-	-	3	8
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4	-	-	-	-	-	-	-	-	-	-	-	3	8

Footnotes:

⁽⁷⁾ FY15 installation funds are required for DSA.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 17 / LT318 - Carriers Passive Countermeasures System (PCMS)

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>)	2.414	-	19.502	19.000	-	19.000	23.280	16.780	18.000	18.610	-	117.586
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	2.414	-	19.502	19.000	-	19.000	23.280	16.780	18.000	18.610	-	117.586
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2.414	-	19.502	19.000	-	19.000	23.280	16.780	18.000	18.610	-	117.586
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Classified effort.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million				Modification Number / Title: 17 / LT318 - Carriers Passive Countermeasures System (PCMS)					
Models of Systems Affected: Carrier PCMS				Modification Type: [No Modification Type Specified]				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: LT318 - Carriers Passive Countermeasures System (PCMS)													
B Kits													
Recurring													
1.1.1) PCMS - Organic	- / 2.414	- / -	- / 19.502	- / 19.000	- / -	- / 19.000	- / 23.280	- / 16.780	- / 18.000	- / 18.610	- / -	- / 117.586	
Subtotal: Recurring	- / 2.414	- / -	- / 19.502	- / 19.000	- / -	- / 19.000	- / 23.280	- / 16.780	- / 18.000	- / 18.610	- / -	- / 117.586	
Subtotal: LT318 - Carriers Passive Countermeasures System (PCMS)	- / 2.414	- / -	- / 19.502	- / 19.000	- / -	- / 19.000	- / 23.280	- / 16.780	- / 18.000	- / 18.610	- / -	- / 117.586	
Subtotal: Procurement, All Modification Items	- / 2.414	- / -	- / 19.502	- / 19.000	- / -	- / 19.000	- / 23.280	- / 16.780	- / 18.000	- / 18.610	- / -	- / 117.586	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	2.414	-	19.502	19.000	-	19.000	23.280	16.780	18.000	18.610	-	117.586	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9			P-1 Line Item Number / Title: 0981 / Items less than \$5 Million			Modification Number / Title: 17 / LT318 - Carriers Passive Countermeasures System (PCMS)	
Modification Item 1 of 1: LT318 - Carriers Passive Countermeasures System (PCMS)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: New MFG - Name					Manufacturer Location: >New MFG - Loc		
Administrative Leadtime (<i>in Months</i>): 0					Production Leadtime (<i>in Months</i>): 0		
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates							
Delivery Dates							
Installation Information							
Method of Implementation (Organic): No Quantities Associated with Install					Installation Quantity: 0		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 18 / LT319 - JSF Support - Heavy Unrep

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>	0.000	-	-	-	-	-	0.838	3.045	2.207	-	-	6.090
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	-	-	-	0.838	3.045	2.207	-	-	6.090
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	-	-	-	0.838	3.045	2.207	-	-	6.090
<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:

Installation of Heavy UNREP (Heavy E-Stream) capability on CVN 68 Class Carriers is required to facilitate connected replenishment of F-35 engine Power Modules and Lift Fans. The F-35 engine, power module and lift fan each exceed size and weight capabilities of the current CVN 68 Class UNREP system.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million				Modification Number / Title: 18 / LT319 - JSF Support - Heavy Unrep					
Models of Systems Affected: Heavy UNREP (Heavy E-Stream)				Modification Type: [No Modification Type Specified]				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: LT319 - JSF Support - Heavy Unrep													
B Kits													
Recurring													
1.1.1) Heavy Unrep Heavy E-Stream - NonOrganic ⁽⁸⁾	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.720	1 / 0.720	- / -	- / -	- / -	2 / 1.440	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.720	- / 0.720	- / -	- / -	- / -	- / 1.440	
Subtotal: LT319 - JSF Support - Heavy Unrep	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.720	1 / 0.720	- / -	- / -	- / -	2 / 1.440	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.720	- / 0.720	- / -	- / -	- / -	- / 1.440	
Installation													
Modification Item 1 of 1: LT319 - JSF Support - Heavy Unrep	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.118	- / 2.325	- / 2.207	- / -	- / -	- / 4.650	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.118	- / 2.325	- / 2.207	- / -	- / -	- / 4.650	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	0.838	3.045	2.207	-	-	6.090	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0981 / Items less than \$5 Million										Modification Number / Title: 18 / LT319 - JSF Support - Heavy Unrep											
Modification Item 1 of 1: LT319 - JSF Support - Heavy Unrep																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: TBD ⁽⁹⁾														Manufacturer Location: >TBD																	
Administrative Leadtime (in Months): 3														Production Leadtime (in Months): 9																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates														Oct 2015				Oct 2016													
Delivery Dates														Jul 2016				Jul 2017													
Installation Information																															
Method of Implementation: [none specified] : Installation Name: Heavy Unrep Heavy E-Stream																															
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		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.118		1 / 2.207		- / -		- / -		- / -		1 / 2.325					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.118		1 / 2.207		- / -		- / -		- / -		1 / 2.325					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.118		1 / 2.325		1 / 2.207		- / -		- / -		2 / 4.650					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	TC	Tot
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	2
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	2
Footnotes: ⁽⁸⁾ Installation of Heavy UNREP (Heavy E-Stream) capability on CVN 68 Class Carriers is required to facilitate connected replenishment of F-35 engine Power Modules and Lift Fans. The F-35 engine, power module and lift fan each exceed size and weight capabilities of the current CVN 68 Class UNREP system. ⁽⁹⁾ Awaiting identification of manufacturer																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 19 / LT320 - LSD Boat Davit

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>	0.000	-	-	2.355	-	2.355	2.448	-	-	-	-	4.803
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	2.355	-	2.355	2.448	-	-	-	-	4.803
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	2.355	-	2.355	2.448	-	-	-	-	4.803
<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:

[LSD Davit] This SHIPALT replaces the Welin Lambie LUM 12A or Lakeshore Gravity Boat Davit currently installed on LSD 41/49 Class ships, with a new Slewing Arm Davit (SLAD) from Oldenburg Group Inc. The existing systems will be removed and the OGI SLAD will be installed in the same general location of the current systems. The new system is a SLAD design with single point pick up of the boats versus the two point pick up used by the existing systems.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0981 / Items less than \$5 Million				Modification Number / Title: 19 / LT320 - LSD Boat Davit				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]				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: LT320 - LSD Boat Davit												
B Kits												
Recurring												
1.1.1) LSD Davit - NonOrganic ⁽¹⁰⁾	- / -	- / -	- / -	1 / 1.200	- / -	1 / 1.200	- / -	- / -	- / -	- / -	- / -	1 / 1.200
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 1.200	- / -	- / 1.200	- / -	- / -	- / -	- / -	- / -	- / 1.200
Subtotal: LT320 - LSD Boat Davit	- / -	- / -	- / -	1 / 1.200	- / -	1 / 1.200	- / -	- / -	- / -	- / -	- / -	1 / 1.200
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 1.200	- / -	- / 1.200	- / -	- / -	- / -	- / -	- / -	- / 1.200
Installation												
Modification Item 1 of 1: LT320 - LSD Boat Davit	- / 0.000	- / -	- / -	- / 1.155	- / -	- / 1.155	- / 2.448	- / -	- / -	- / -	- / -	- / 3.603
Subtotal: Installation	- / 0.000	- / -	- / -	- / 1.155	- / -	- / 1.155	- / 2.448	- / -	- / -	- / -	- / -	- / 3.603
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	2.355	-	2.355	2.448	-	-	-	-	4.803

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0981 / Items less than \$5 Million	Modification Number / Title: 19 / LT320 - LSD Boat Davit

Modification Item 1 of 1: LT320 - LSD Boat Davit

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Oldenburg Group Inc	Manufacturer Location: >Iron River, MI
Administrative Leadtime (<i>in Months</i>): 0	Production Leadtime (<i>in Months</i>): 9

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

Installation Information

Method of Implementation: Industrial/AIT : Installation Name: LSD Davit

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	- / -	- / -	- / -	- / 1.155	- / -	- / 1.155	1 / 2.448	- / -	- / -	- / -	- / -	1 / 3.603
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / 1.155	- / -	- / 1.155	1 / 2.448	- / -	- / -	- / -	- / -	1 / 3.603

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:

⁽¹⁰⁾ FY15 installation funds are required for DSA.

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment							P-1 Line Item Number / Title: 0989 / Chemical Warfare Detectors					
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>)	34.476	3.977	3.678	2.937	-	2.937	3.041	3.119	3.177	3.205	-	57.610
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	34.476	3.977	3.678	2.937	-	2.937	3.041	3.119	3.177	3.205	-	57.610
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	34.476	3.977	3.678	2.937	-	2.937	3.041	3.119	3.177	3.205	-	57.610
<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: CHEMICAL & BIOLOGICAL DEFENSE PROGRAM (INSTALLATION REQUIREMENTS): Public Law 103-160, Section 1703 created a Joint Service Chemical and Biological Defense Program (CBDP) to address ever growing threats from the aggressive proliferation of chemical and biological weapons. Joint CBDP funds the development and procurement of Chemical and Biological Defense (CBD) Equipment to enhance the warfighter's ability to survive and complete their mission in a chemical biological contaminated environment. The Navy is responsible for the associated installation/integration and sustainment funds only. The Navy's requirement for Joint Biological Point Detection System (JBPDS), Improved Point Detection System/Lifecycle Replacement (IPDS/LR), Joint Biological Agent Identification and Diagnostic System (JBAIDS) has been validated by CNO in associated Joint Operational Requirements Documents. Installation of Equipment Funding is for installation of equipment including Fleet Modernization Program installations, installation of training equipment and installation of equipment in other shore facilities. Procurement of equipment is funded by the Joint Chemical Biological Defense Program. [P3A / IPDS/LR]: The IPDS/LR (formerly SEACADS/IPDS) will improve the existing shipboard point detection system for detecting and identifying nerve and blister agent contamination presence. Inventory objective for shipboard installations is 131. [P3A - 2 / JBAIDS]: The JBAIDS will provide U.S. operating forces with a biological organism identification and diagnostic device that will identify and quantify biological organisms of operational concern and other pathogens of clinical significance for confirmatory and prognostic purposes. Inventory objective for shipboard JBAIDS installations is 21 and Refrigeration installations is 17. [P3A - 4 / JBPDS BLK 1]: The JBPDS Block I will provide the Navy with automated, knowledge-based capability to detect and identify biological warfare agents in less than 20 minutes. The inventory objective for shipboard installations is 81.												

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment										P-1 Line Item Number / Title: 0989 / Chemical Warfare Detectors										
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:								
Exhibits Schedule			Prior Years			FY 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)
P-3a - 1 / CW001 CHEMICAL WARFARE PROGRAM IPDS/LR	P-3a		-	-	5.324	-	-	2.646	-	-	3.203	-	-	2.937	-	-	-	-	-	2.937
P-3a - 2 / CW001 CHEMICAL WARFARE PROGRAM JBAIDS	P-3a		-	-	4.900	-	-	0.048	-	-	0.059	-	-	-	-	-	-	-	-	-
P-3a - 3 / CW001 CHEMICAL WARFARE PROGRAM JBAIDS REFRIGERATION UPGRADE	P-3a		-	-	0.392	-	-	0.658	-	-	0.416	-	-	-	-	-	-	-	-	-
P-3a - 4 / CW001 CHEMICAL WARFARE PROGRAM JBPDS BLK 1	P-3a		-	-	23.860	-	-	0.625	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	34.476	-	-	3.977	-	-	3.678	-	-	2.937	-	-	-	-	-	2.937
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			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)
P-3a - 1 / CW001 CHEMICAL WARFARE PROGRAM IPDS/LR	P-3a		-	-	2.979	-	-	3.055	-	-	3.177	-	-	0.905	-	-	-	-	-	24.226
P-3a - 2 / CW001 CHEMICAL WARFARE PROGRAM JBAIDS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.007
P-3a - 3 / CW001 CHEMICAL WARFARE PROGRAM JBAIDS REFRIGERATION UPGRADE	P-3a		-	-	0.062	-	-	0.064	-	-	-	-	-	-	-	-	-	-	-	1.592
P-3a - 4 / CW001 CHEMICAL WARFARE PROGRAM JBPDS BLK 1	P-3a		-	-	-	-	-	-	-	-	-	-	-	2.300	-	-	-	-	-	26.785
Total Gross/Weapon System Cost			-	-	3.041	-	-	3.119	-	-	3.177	-	-	3.205	-	-	-	-	-	57.610
*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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Exhibit P-3a, Individual Modification: PB 2015 Navy				Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9		P-1 Line Item Number / Title: 0989 / Chemical Warfare Detectors		Modification Number / Title: 1 / CW001 CHEMICAL WARFARE PROGRAM IPDS/LR			

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>)	5.324	2.646	3.203	2.937	-	2.937	2.979	3.055	3.177	0.905	-	24.226
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	5.324	2.646	3.203	2.937	-	2.937	2.979	3.055	3.177	0.905	-	24.226
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5.324	2.646	3.203	2.937	-	2.937	2.979	3.055	3.177	0.905	-	24.226
(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:

OPNAVINST 3400.10G articulates U.S. Navy Chemical, Biological and Radiological Defense (CBRD) policy and establishes functional responsibilities to ensure the highest level of the Fleet readiness and warfighting sustainability in a CBR environment. CBRD Improved Point Detection System/Lifecycle Replacement (IPDS/LR) provides shipboard point detection system for detecting and identifying nerve and blister agent contamination presence. The equipment procurement is funded out of the Joint Service Chemical Biological Defense Program Budget.

[IPDS/LR] [IPDS/LR] Remarks: A total of 45 completed. Because obsolescence issues with IPDS will make the system unsustainable starting in FY18, the IPDS/LR installation schedule has been accelerated and prioritized over JBPDS installation.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0989 / Chemical Warfare Detectors					Modification Number / Title: 1 / CW001 CHEMICAL WARFARE PROGRAM IPDS/LR				
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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: CW001 CHEMICAL WARFARE PROGRAM IPDS/LR													
B Kits													
Recurring													
1.1.1) IPDS/LR - NonOrganic		31 / 0.000	15 / -	23 / -	17 / -	- / -	17 / -	12 / -	12 / -	16 / -	5 / -	- / -	131 / -
1.1.2) DSA COST - NonOrganic		- / -	- / 0.442	- / 0.275	- / 0.485	- / -	- / 0.485	- / 0.791	- / 1.038	- / 0.282	- / -	- / -	- / 3.313
Subtotal: Recurring		- / 0.000	- / 0.442	- / 0.275	- / 0.485	- / -	- / 0.485	- / 0.791	- / 1.038	- / 0.282	- / -	- / -	- / 3.313
Subtotal: CW001 CHEMICAL WARFARE PROGRAM IPDS/LR		31 / 0.000	15 / 0.442	23 / 0.275	17 / 0.485	- / -	17 / 0.485	12 / 0.791	12 / 1.038	16 / 0.282	5 / -	- / -	131 / 3.313
Subtotal: Procurement, All Modification Items		- / 0.000	- / 0.442	- / 0.275	- / 0.485	- / -	- / 0.485	- / 0.791	- / 1.038	- / 0.282	- / -	- / -	- / 3.313
Installation													
Modification Item 1 of 1: CW001 CHEMICAL WARFARE PROGRAM IPDS/LR		- / 5.324	- / 2.204	- / 2.928	- / 2.452	- / -	- / 2.452	- / 2.188	- / 2.017	- / 2.895	- / 0.905	- / -	- / 20.913
Subtotal: Installation		- / 5.324	- / 2.204	- / 2.928	- / 2.452	- / -	- / 2.452	- / 2.188	- / 2.017	- / 2.895	- / 0.905	- / -	- / 20.913
Total													
Total Cost (Procurement + Support + Installation)		5.324	2.646	3.203	2.937	-	2.937	2.979	3.055	3.177	0.905	-	24.226

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0989 / Chemical Warfare Detectors										Modification Number / Title: 1 / CW001 CHEMICAL WARFARE PROGRAM IPDS/LR											
Modification Item 1 of 1: CW001 CHEMICAL WARFARE PROGRAM IPDS/LR																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Manufacturer Name Not Provided.															Manufacturer Location: Manufacturer Location Not Provided.																
Administrative Leadtime <i>(in Months)</i> :															Production Leadtime <i>(in Months)</i> :																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: AIT : Installation Name: IPDS/LR																															
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																		
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																	
Prior Years		27 / 5.324	4 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 5.324																		
FY 2013		- / -	9 / 2.204	6 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 2.204																		
FY 2014		- / -	- / -	20 / 2.928	3 / -	- / -	3 / -	- / -	- / -	- / -	- / -	- / -	23 / 2.928																		
FY 2015		- / -	- / -	- / -	17 / 2.452	- / -	17 / 2.452	- / -	- / -	- / -	- / -	- / -	17 / 2.452																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	10 / 2.188	2 / -	- / -	- / -	- / -	12 / 2.188																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 2.017	2 / -	- / -	- / -	12 / 2.017																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 2.895	2 / -	- / -	16 / 2.895																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.905	- / -	5 / 0.905																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		27 / 5.324	13 / 2.204	26 / 2.928	20 / 2.452	- / -	20 / 2.452	10 / 2.188	12 / 2.017	16 / 2.895	7 / 0.905	- / -	131 / 20.913																		
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	27	1	3	4	5	5	7	6	8	5	5	5	5	2	2	3	3	3	3	3	3	4	4	4	4	2	1	2	2	-	131
Out	27	1	3	4	5	5	7	6	8	5	5	5	5	2	2	3	3	3	3	3	3	4	4	4	4	2	1	2	2	-	131

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0989 / Chemical Warfare Detectors	Modification Number / Title: 2 / CW001 CHEMICAL WARFARE PROGRAM JBAIDS

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>)	4.900	0.048	0.059	-	-	-	-	-	-	-	-	5.007
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	4.900	0.048	0.059	-	-	-	-	-	-	-	-	5.007
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	4.900	0.048	0.059	-	-	-	-	-	-	-	-	5.007
<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:

OPNAVINST 3400.10G articulates U.S. Navy Chemical, Biological and Radiological Defense (CBRD) policy and establishes functional responsibilities to ensure the highest level of the Fleet readiness and warfighting sustainability in a CBR environment. Joint Biological Agent Identification and Diagnostic System (JBAIDS) systems will identify and quantify biological organisms of operational concern and other pathogens of clinical significance for confirmatory and prognostic purposes. The CENTCOM HR urgent need (dated Aug 2009) modifies the JBAIDS ORD (dated May 2003) with the addition of detection capability for the 2009/A/H1N1 influenza. The equipment procurement is funded out of the Joint Service Chemical Biological Defense Program Budget P-1 Item Nomenclature: Joint Biological Agent Identification and Diagnostic System. Beginning in FY13, system will install with refrigeration unit.

[JBAIDS] Remarks: A total of 20 completed of 21 planned. Last installation scheduled to occur 4th quarter FY14.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0989 / Chemical Warfare Detectors				Modification Number / Title: 2 / CW001 CHEMICAL WARFARE PROGRAM JBAIDS					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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: CW001 CHEMICAL WARFARE PROGRAM JBAIDS													
B Kits													
Non-Recurring													
1.1.1) JBAIDS - NonOrganic		20 / 0.000	- / -	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / -	
1.1.2) DSA COST - NonOrganic		- / -	- / 0.048	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.048	
Subtotal: Non-Recurring		- / 0.000	- / 0.048	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.048	
Subtotal: CW001 CHEMICAL WARFARE PROGRAM JBAIDS		20 / 0.000	- / 0.048	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 0.048	
Subtotal: Procurement, All Modification Items		- / 0.000	- / 0.048	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.048	
Installation													
Modification Item 1 of 1: CW001 CHEMICAL WARFARE PROGRAM JBAIDS		- / 4.900	- / -	- / 0.059	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.959	
Subtotal: Installation		- / 4.900	- / -	- / 0.059	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.959	
Total													
Total Cost (Procurement + Support + Installation)		4.900	0.048	0.059	-	-	-	-	-	-	-	5.007	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9										P-1 Line Item Number / Title: 0989 / Chemical Warfare Detectors										Modification Number / Title: 2 / CW001 CHEMICAL WARFARE PROGRAM JBAIDS											
Modification Item 1 of 1: CW001 CHEMICAL WARFARE PROGRAM JBAIDS																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Manufacturer Name Not Provided.													Manufacturer Location: Manufacturer Location Not Provided.																		
Administrative Leadtime <i>(in Months)</i> :													Production Leadtime <i>(in Months)</i> :																		
Dates	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: AIT : Installation Name: JBAIDS																															
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																		
			<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>																	
Prior Years		20 / 4.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 4.900																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	1 / 0.059	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.059																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		20 / 4.900	- / -	1 / 0.059	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 4.959																		
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	20	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
Out	20	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0989 / Chemical Warfare Detectors	Modification Number / Title: 3 / CW001 CHEMICAL WARFARE PROGRAM JBAIDS REFRIGERATION UPGRADE

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>)	0.392	0.658	0.416	-	-	-	0.062	0.064	-	-	-	1.592
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.392	0.658	0.416	-	-	-	0.062	0.064	-	-	-	1.592
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.392	0.658	0.416	-	-	-	0.062	0.064	-	-	-	1.592
<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:

OPNAVINST 3400.10G articulates U.S. Navy Chemical, Biological and Radiological Defense (CBRD) policy and establishes functional responsibilities to ensure the highest level of Fleet readiness and warfighting sustainability in a CBR environment. Joint Biological Agent Identification and Diagnostic System (JBAIDS) systems will detect and identify biological organisms of operational concern and other pathogens of clinical significance for confirmatory and prognostic purposes. The CENTCOM HR urgent need (dated Aug 2009) modifies the JBAIDS ORD (dated May 2003) with the addition of detection capability for the 2009/A/H1N1 influenza. This requires the installation of added support equipment, hard-wired freezers. The equipment procurement is funded out of the Joint Service Chemical Biological Defense Program Budget P-1 Item Nomenclature: Joint Biological Agent Identification and Diagnostic System.

[JBAIDS REFRIGERATION UPGRADE] Remarks: A total of eight (8) completed of seventeen (17) planned.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0989 / Chemical Warfare Detectors						Modification Number / Title: 3 / CW001 CHEMICAL WARFARE PROGRAM JBAIDS REFRIGERATION UPGRADE			
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> CW001 CHEMICAL WARFARE PROGRAM JBAIDS REFRIGERATION UPGRADE													
B Kits													
Recurring													
1.1.1) JBAIDS REFRIGERATION UPGRADE - NonOrganic	3 / 0.000	5 / -	7 / -	- / -	- / -	- / -	1 / -	1 / -	- / -	- / -	- / -	17 / -	
1.1.2) DSA COST - NonOrganic	- / -	- / 0.386	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.386	
<i>Subtotal: Recurring</i>	- / 0.000	- / 0.386	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.386	
<i>Subtotal: CW001 CHEMICAL WARFARE PROGRAM JBAIDS REFRIGERATION UPGRADE</i>	3 / 0.000	5 / 0.386	7 / -	- / -	- / -	- / -	1 / -	1 / -	- / -	- / -	- / -	17 / 0.386	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / 0.386	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.386	
Installation													
<i>Modification Item 1 of 1:</i> CW001 CHEMICAL WARFARE PROGRAM JBAIDS REFRIGERATION UPGRADE	- / 0.392	- / 0.272	- / 0.416	- / -	- / -	- / -	- / 0.062	- / 0.064	- / -	- / -	- / -	- / 1.206	
<i>Subtotal: Installation</i>	- / 0.392	- / 0.272	- / 0.416	- / -	- / -	- / -	- / 0.062	- / 0.064	- / -	- / -	- / -	- / 1.206	
Total													
Total Cost (Procurement + Support + Installation)	0.392	0.658	0.416	-	-	-	0.062	0.064	-	-	-	1.592	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0989 / Chemical Warfare Detectors	Modification Number / Title: 3 / CW001 CHEMICAL WARFARE PROGRAM JBAIDS REFRIGERATION UPGRADE

Modification Item 1 of 1: CW001 CHEMICAL WARFARE PROGRAM JBAIDS REFRIGERATION UPGRADE

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Manufacturer Name Not Provided.

Manufacturer Location: Manufacturer Location Not Provided.

Administrative Leadtime (*in Months*):

Production Leadtime (*in Months*):

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

Installation Information

Method of Implementation: AIT : Installation Name: JBAIDS REFRIGERATION UPGRADE

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 / 0.392	1 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.392
FY 2013	- / -	5 / 0.272	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.272
FY 2014	- / -	- / -	7 / 0.416	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.416
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.062	- / -	- / -	- / -	- / -	1 / 0.062
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.064	- / -	- / -	- / -	1 / 0.064
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 0.392	6 / 0.272	7 / 0.416	- / -	- / -	- / -	1 / 0.062	1 / 0.064	- / -	- / -	- / -	17 / 1.206

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	1	1	2	2	-	1	2	4	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	17
Out	2	1	1	2	-	2	1	2	3	1	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	17

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0989 / Chemical Warfare Detectors	Modification Number / Title: 4 / CW001 CHEMICAL WARFARE PROGRAM JBPDS BLK 1

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>)	23.860	0.625	-	-	-	-	-	-	-	2.300	-	26.785
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	23.860	0.625	-	-	-	-	-	-	-	2.300	-	26.785
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	23.860	0.625	-	-	-	-	-	-	-	2.300	-	26.785
<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:

OPNAVINST 3400.10G articulates U.S. Navy Chemical, Biological and Radiological Defense (CBRD) policy and establishes functional responsibilities to ensure the highest level of Fleet Readiness and warfighting sustainability in a CBR environment. Joint Biological Point Detection Systems (JBPDS BLK I) provides for improved biological agent detection and reporting. The JBPDS ORD (J2-B001-Revision 1, dated 7 January, 2002) validates the modification. The equipment procurement is funded out of the Joint Chemical Biological Defense Program Budget P-1 Item Nomenclature: (JP0100) JOINT BIO POINT DETECTION SYSTEM (JBPDS).

[JBPDS BLK 1] Remarks: A total of 74 completed of 81 planned. Due to a potential for a chemical point detection system capability gap because of obsolescence issues with IPDS starting in FY18, all JBPDS installations have been stopped as of 4th quarter FY13 to maximize IPDR-LR installations.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0989 / Chemical Warfare Detectors				Modification Number / Title: 4 / CW001 CHEMICAL WARFARE PROGRAM JBPDS BLK 1					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					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: CW001 CHEMICAL WARFARE PROGRAM JBPDS BLK 1													
B Kits													
Recurring													
1.1.1) JBPDS BLK 1 - NonOrganic	73 / 0.000	1 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / -	- / -	81 / -	
1.1.2) DSA COST - NonOrganic	- / -	- / 0.342	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.342	
Subtotal: Recurring	- / 0.000	- / 0.342	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.342	
Subtotal: CW001 CHEMICAL WARFARE PROGRAM JBPDS BLK 1	73 / 0.000	1 / 0.342	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / -	- / -	81 / 0.342	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 0.342	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.342	
Installation													
Modification Item 1 of 1: CW001 CHEMICAL WARFARE PROGRAM JBPDS BLK 1	- / 23.860	- / 0.283	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.300	- / -	- / 26.443	
Subtotal: Installation	- / 23.860	- / 0.283	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.300	- / -	- / 26.443	
Total													
Total Cost (Procurement + Support + Installation)	23.860	0.625	-	-	-	-	-	-	-	2.300	-	26.785	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0989 / Chemical Warfare Detectors	Modification Number / Title: 4 / CW001 CHEMICAL WARFARE PROGRAM JBPDS BLK 1

Modification Item 1 of 1: CW001 CHEMICAL WARFARE PROGRAM JBPDS BLK 1

Modification Item MDAP/MAIS Code:

Manufacturer Information

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

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

Installation Information

Method of Implementation: AIT : Installation Name: JBPDS BLK 1

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	69 / 23.860	4 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	73 / 23.860
FY 2013	- / -	1 / 0.283	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.283
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 2.300	- / -	7 / 2.300
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	69 / 23.860	5 / 0.283	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 2.300	- / -	81 / 26.443

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	69	-	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	2	-	81	
Out	69	-	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	2	-	81	

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment	P-1 Line Item Number / Title: 0990 / Submarine Life Support System

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	Prior Years	FY 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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	56.474	5.847	8.292	8.385	-	8.385	8.578	8.762	8.932	9.114	2.073	116.457
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	56.474	5.847	8.292	8.385	-	8.385	8.578	8.762	8.932	9.114	2.073	116.457
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	56.474	5.847	8.292	8.385	-	8.385	8.578	8.762	8.932	9.114	2.073	116.457
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
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:

[P40A / SUBMARINE LIFE SUPPORT SYSTEM]: 5D830 - PRODUCTION ENGINEERING

The review and approval of any production contract technical documentation, or the separate development of this documentation to include, technical manuals, Preventive Maintenance Schedule (PMS), Level III production drawings, Provisioning Technical Documentation (PTD), Program Support Data (PSD) and Allowance Parts Lists (APL); Engineering & support for final design reviews. This work can be accomplished by NSWC PHILA as the in-service engineering agent, other Naval activities or contractors as appropriate.

[P3A / LOW PRESSURE ELECTROLYZER]: 5D010 - THE LOW PRESSURE ELECTROLYZER (LPE)

The LPE will replace the Electrolytic Oxygen Generators (EOG) currently being used on SSBN/SSGN Class submarines. The LPE also replaces the Oxygen Generating Plant (OGP) on SSN 21 Class submarines that has become unreliable and expensive to operate. The LPE produces oxygen at low pressure eliminating the need for high pressure oxygen storage. There will be two LPEs on SSBN/SSGN Class submarines and one LPE on SSN 21 Class submarines. There will be a total of 39 LPE units.

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)
SUBMARINE LIFE SUPPORT SYSTEM	P-40a		-	-	5.921	-	-	0.248	-	-	0.134	-	-	0.084	-	-	-	-	-	0.084
P-3a - 1 / 5D010 LOW PRESSURE ELECTROLYZER	P-3a		-	-	50.553	-	-	5.599	-	-	8.158	-	-	8.301	-	-	-	-	-	8.301
Total Gross/Weapon System Cost			-	-	56.474	-	-	5.847	-	-	8.292	-	-	8.385	-	-	-	-	-	8.385

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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 01: Ships Support Equipment / BSA 9: Other Shipboard Equipment									P-1 Line Item Number / Title: 0990 / Submarine Life Support System											
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:								
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			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)
SUBMARINE LIFE SUPPORT SYSTEM	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / 5D010 LOW PRESSURE ELECTROLYZER	P-3a		-	-	8.451	-	-	8.604	-	-	8.756	-	-	8.922	-	-	1.425	-	-	108.769
Total Gross/Weapon System Cost			-	-	8.578	-	-	8.762	-	-	8.932	-	-	9.114	-	-	2.073	-	-	116.457
*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.																				

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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 / 01 / 9						P-1 Line Item Number / Title: 0990 / Submarine Life Support System						Aggregated Items Title: SUBMARINE LIFE SUPPORT SYSTEM								
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) 5D830 PRODUCTION ENGINEERING																				
1.1) PRODUCTION ENGINEERING	A		-	-	5.921	-	-	0.248	-	-	0.134	-	-	0.084	-	-	-	-	-	0.084
Subtotal: 1) 5D830 PRODUCTION ENGINEERING			-	-	5.921	-	-	0.248	-	-	0.134	-	-	0.084	-	-	-	-	-	0.084
Total			-	-	5.921	-	-	0.248	-	-	0.134	-	-	0.084	-	-	-	-	-	0.084

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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 / 01 / 9						P-1 Line Item Number / Title: 0990 / Submarine Life Support System									Aggregated Items Title: SUBMARINE LIFE SUPPORT SYSTEM					
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) 5D830 PRODUCTION ENGINEERING																				
1.1) PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) 5D830 PRODUCTION ENGINEERING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9	P-1 Line Item Number / Title: 0990 / Submarine Life Support System	Modification Number / Title: 1 / 5D010 LOW PRESSURE ELECTROLYZER

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>	50.553	5.599	8.158	8.301	-	8.301	8.451	8.604	8.756	8.922	1.425	108.769
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	50.553	5.599	8.158	8.301	-	8.301	8.451	8.604	8.756	8.922	1.425	108.769
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	50.553	5.599	8.158	8.301	-	8.301	8.451	8.604	8.756	8.922	1.425	108.769
<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:

[LOW PRESSURE ELECTROLYZER] The LPE will replace the Electrolytic Oxygen Generators (EOG) currently being used on SSBN/SSGN Class submarines. The LPE also replaces the Oxygen Generating Plant (OGP) on SSN 21 Class submarines that has become unreliable and expensive to operate. The LPE produces oxygen at low pressure eliminating the need for high pressure oxygen storage. There will be two LPEs on SSBN/SSGN Class submarines and one LPE on SSN 21 Class submarines. There will be a total of 39 LPE units.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9				P-1 Line Item Number / Title: 0990 / Submarine Life Support System						Modification Number / Title: 1 / 5D010 LOW PRESSURE ELECTROLYZER			
Models of Systems Affected: Low Pressure Electrolyzer				Modification Type: [No Modification Type Specified]				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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> 5D010 LOW PRESSURE ELECTROLYZER													
B Kits													
Recurring													
1.1.1) LOW PRESSURE ELECTROLYZER - NonOrganic ⁽¹⁾	20 / 50.553	2 / 5.599	3 / 8.158	3 / 8.301	- / -	3 / 8.301	3 / 8.451	3 / 8.604	3 / 8.756	2 / 8.922	- / 1.425	39 / 108.769	
<i>Subtotal: Recurring</i>	- / 50.553	- / 5.599	- / 8.158	- / 8.301	- / -	- / 8.301	- / 8.451	- / 8.604	- / 8.756	- / 8.922	- / 1.425	- / 108.769	
<i>Subtotal: 5D010 LOW PRESSURE ELECTROLYZER</i>	20 / 50.553	2 / 5.599	3 / 8.158	3 / 8.301	- / -	3 / 8.301	3 / 8.451	3 / 8.604	3 / 8.756	2 / 8.922	- / 1.425	39 / 108.769	
<i>Subtotal: Procurement, All Modification Items</i>	- / 50.553	- / 5.599	- / 8.158	- / 8.301	- / -	- / 8.301	- / 8.451	- / 8.604	- / 8.756	- / 8.922	- / 1.425	- / 108.769	
Installation													
<i>Modification Item 1 of 1:</i> 5D010 LOW PRESSURE ELECTROLYZER	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	50.553	5.599	8.158	8.301	-	8.301	8.451	8.604	8.756	8.922	1.425	108.769	

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Exhibit P-3a, Individual Modification: PB 2015 Navy				Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 9		P-1 Line Item Number / Title: 0990 / Submarine Life Support System			Modification Number / Title: 1 / 5D010 LOW PRESSURE ELECTROLYZER		

Modification Item 1 of 1: 5D010 LOW PRESSURE ELECTROLYZER

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: TREADWELL CORP				Manufacturer Location: >CT			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 13			

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Nov 2012	Nov 2013	Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018
Delivery Dates	Dec 2013	Dec 2014	Dec 2015	Dec 2016	Dec 2017	Dec 2018	Dec 2019

Installation Information

Method of Implementation: [none specified] : Installation Name: LOW PRESSURE ELECTROLYZER

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	16 / 0.000	4 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.000
FY 2013	- / -	- / -	2 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / -
FY 2014	- / -	- / -	- / -	3 / -	- / -	3 / -	- / -	- / -	- / -	- / -	- / -	3 / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	3 / -	- / -	- / -	- / -	- / -	3 / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / -	- / -	- / -	- / -	3 / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / -	- / -	- / -	3 / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / -	3 / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / -	- / -	2 / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	16 / 0.000	4 / -	2 / -	3 / -	- / -	3 / -	3 / -	3 / -	3 / -	2 / -	3 / -	39 / -

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	-	2	2	-	-	2	-	-	-	2	1	-	-	2	1	-	-	2	1	-	-	2	1	-	-	2	-	-	3	39
Out	16	-	2	2	-	-	2	-	-	-	2	1	-	-	2	1	-	-	2	1	-	-	2	1	-	-	2	-	-	3	39

Footnotes:

⁽¹⁾ P-3A submitted in place of P-23 and P-23A.

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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 01: Ships Support Equipment / BSA 10: Reactor Plant Equipment	P-1 Line Item Number / Title: 1010 / Reactor Power Units

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>	864.475	287.222	-	-	-	-	-	-	-	-	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	864.475	287.222	-	-	-	-	-	-	-	-	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	864.475	287.222	-	-	-	-	-	-	-	-	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

The details of this program are classified CONFIDENTIAL and are submitted to Congress annually in the classified budget justification books.

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)
Reactor Power Units	P-40a		-	-	864.475	-	-	287.222	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	864.475	-	-	287.222	-	-	-	-	-	-	-	-	-	-	-	-

*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:

The details of this program are classified CONFIDENTIAL and are submitted to Congress annually in the classified budget justification books.

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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 / 01 / 10						P-1 Line Item Number / Title: 1010 / Reactor Power Units									Aggregated Items Title: Reactor Power Units					
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) Reactor Power Units																				
1) Reactor Power Units	A		-	-	864.475	-	-	287.222	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Reactor Power Units			-	-	864.475	-	-	287.222	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	864.475	-	-	287.222	-	-	-	-	-	-	-	-	-	-	-	-

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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 01: Ships Support Equipment / BSA 10: Reactor Plant Equipment	P-1 Line Item Number / Title: 1020 / Reactor Components

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>	536.622	256.525	256.744	288.822	-	288.822	299.225	310.035	321.308	333.278	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	536.622	256.525	256.744	288.822	-	288.822	299.225	310.035	321.308	333.278	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	536.622	256.525	256.744	288.822	-	288.822	299.225	310.035	321.308	333.278	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

The details of this program are classified CONFIDENTIAL and are submitted to Congress annually in the classified budget justification books.

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)
Reactor Components	P-40a		-	-	536.622	-	-	256.525	-	-	256.744	-	-	288.822	-	-	-	-	-	288.822
Total Gross/Weapon System Cost			-	-	536.622	-	-	256.525	-	-	256.744	-	-	288.822	-	-	-	-	-	288.822

*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:

The details of this program are classified CONFIDENTIAL and are submitted to Congress annually in the classified budget justification books.

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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 / 01 / 10							P-1 Line Item Number / Title: 1020 / Reactor Components							Aggregated Items Title: Reactor Components						
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) New P40A Grouping																				
1.1) Reactor Components	A		-	-	536.622	-	-	256.525	-	-	256.744	-	-	288.822	-	-	-	-	-	288.822
Subtotal: 1) New P40A Grouping			-	-	536.622	-	-	256.525	-	-	256.744	-	-	288.822	-	-	-	-	-	288.822
Total			-	-	536.622	-	-	256.525	-	-	256.744	-	-	288.822	-	-	-	-	-	288.822

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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 01: Ships Support Equipment / BSA 11: Ocean Engineering							P-1 Line Item Number / Title: 1130 / Diving and Salvage Equipment					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0204423N, 0204454N, 0204561N				
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>)	47.162	8.261	6.854	10.572	-	10.572	12.859	10.100	9.525	9.721	-	115.054
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	47.162	8.261	6.854	10.572	-	10.572	12.859	10.100	9.525	9.721	-	115.054
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	47.162	8.261	6.854	10.572	-	10.572	12.859	10.100	9.525	9.721	-	115.054
<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>)	-	-	0.531	0.162	-	0.162	0.194	0.235	0.210	-	-	1.332
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: DIVING AND SALVAGE EQUIPMENT: DIVING: This request provides funding for procurement of modern equipment to replace the Navy's archaic diving systems. The demand for divers' services for salvage, ship husbandry, repair and sanitizing work is rapidly increasing. The requested funding buys diving hardware which increases the efficiency and safety of the working diver. Program objectives are to: (1) provide increased safety for diver decompression and better recompression chamber patient monitoring capability, (2) increase underwater ship maintenance capabilities, (3) improve quick response capability, and (4) standardize the configuration of diving systems in the Fleet. SALVAGE: This request provides program support for the procurement of critical salvage and underwater ship repair items. Public Law 513 (80th Congress, 10 USC 7361 ET SEQ) authorizes the Secretary of the Navy to provide, by contractor or otherwise, necessary salvage and diving equipment, services and facilities for public, private, and military vessels upon such terms and conditions as he may, in his discretion, determine to be in the best interest of the United States. The U. S. Navy Supervisor of Salvage maintains the Emergency Ship Salvage Material (ESSM) System which consists of a network of bases that maintain, control, and issue material for salvage operations, underwater ship husbandry operations, pollution abatement operations, ocean engineering projects, special authorized projects, and equipment for use in national emergencies. The major bases are located in Williamsburg, Virginia; Stockton, California; Singapore; and Livorno, Italy. Satellite bases having smaller allowances are maintained at Sasebo, Japan; Pearl Harbor, Hawaii; and Bahrain. This system provides the Nation's first line of defense for major pollution abatement operations and the Navy's second line of defense for salvage operations. . [P40A / DIVING (N97)]: The DIVING EQUIPMENT to be procured are:												

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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 01: Ships Support Equipment / BSA 11: Ocean Engineering		P-1 Line Item Number / Title: 1130 / Diving and Salvage Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0204423N, 0204454N, 0204561N
[P40A / HY106 - LIGHTWEIGHT DIVE SYSTEMS]: This system is completely self-contained, man-portable, and can be deployed from dockside or a ship of opportunity. The system will support two working divers and a standby diver to 190 feet of seawater (FSW) for up to a six hour mission performing ship husbandry, light salvage, and underwater inspection tasks. The Diver Equipment will interface with all Navy certified, air surface supplied diving systems. Required Inventory Objective (I/O) is 2. [P40A / HY107 - PORTABLE RECOMPRESSION CHAMBERS]: The Transportable Recompression Chamber System provides an effective two-man evacuation, transport, treatment, and transfer under pressure capability in order to benefit a diver suffering a pressure related ailment requiring urgent hyperbaric treatment. This is the lightest, most transportable system available to the U. S. Navy. Required I/O is 16. [P40A / HY123 - FLY AWAY DIVE SYSTEMS III HP COMPOSITE FLASK REPLACEMENT]: The FADS III is a matrix of components designed to support manned diving to 850 fsw. It is made up of three major subsystems, the High Pressure (H.P.) Air System, the Mixed Gas System and the Saturation Diving System. The air system consists of a 5000 psi air rack using lightweight composite flasks, a portable diver's air console, and a 5000 psi air compressor packaged for flyaway applications. The mixed gas subsystem consists of H.P. racks for containment of various gas mixes required for diving operations, a mixed gas diving console, and a gas transfer system for charging mixed gas flasks, topside hyperbaric chamber for diver storage and decompression, diving bell and bell handling system. Support equipment includes diver life support items such as diver hot water heaters, hot water suits, dry suits, umbilicals, diver full face masks, small, man-portable, diesel-powered, 5000 psi compressors and diver communication boxes. The matrix concept is designed to provide maximum flexibility in assembling equipment necessary to support a dive mission. Required I/O is 2 High Pressure Air Systems, 95 Mixed Gas Systems, and 2 Fads III Support Equipment. [P40A / HY132 - STANDARD NAVY DOUBLE LOCK RECOMPRESSION CHAMBER (SNDL)]: HY132 Standard Navy Double Lock Recompression Chamber: The Recompression Chambers are to be conventional chambers designed to be built using standard commercial specification and standards. Chambers will be capable of providing a full range of recompression treatment to two patients and two attendants. These chambers are containerized to allow the chamber to be transported and installed for long term operations. These chambers will replace aging and difficult to maintain recompression chambers that will be retired due to fatigue and material flaws. One SNDL will be modified and equipped to treat at a 300FSW depth. Other chambers shall treat at 165FSW. Required I/O is 30. [P40A / HY176 - HP AIR COMPRESSORS]: This item replaces high pressure air compressors in existing divers' life support systems which have reached the end of their service life. Required I/O is 300. [P40A / HY177 - AIR PURIFICATION UNITS]: This item is used when charging diver's life support system (DLSS) flasks or inserted inline in the DLSS to purify and monitor diver's breathing air. It will enhance diver's safety by providing constant monitoring of diver's breathing air and can be used in lieu of the semi-annual diver's air sampling program for breathing air compressors. Required I/O is 50 units. [P40A / HY179 - NAVY EXPERIMENTAL DIVING UNIT]: NEDU's mission is to support the Fleet diver through test and evaluation of diving equipment and procedures as well as hyperbaric systems for NAVSEA, Navy, and DoD activities. Funding is to procure equipment for test, facilities atmospheric control, life support, and physiological systems. These systems not only ensure the safety and lives of NEDU sailors performing experimental dives, but ultimately support the combat readiness and mission success of the Fleet sailors who use the equipment tested at NEDU. Funding is included to support the periodic upgrade of Ocean Simulation Facility (OSF) components. The OSF is the world's largest man-rated hyperbaric chamber affording space for 12 divers in 5 hyperbaric dry chambers, man-rated for dives to 2,250 feet of sea water (1000 psi) with a 50' x 15', 55,000-gallon wet-pot capacity, temperatures from 28 to 104 degrees Fahrenheit, an associated 1.3 million-cubic foot (37 km3) bottle field and uses a fully computerized data instrumentation and collection system. Unit prices vary depending on the specific equipment mix planned for upgrade in any single year. [P40A / HY192 - THERMAL DIVING SUITS]: New technology diving suits which can be used in cold or warm water to maintain a diver in a safe thermal environment. I/O is 1000. [P40A / HY193 - SURFACE SUPPLIED DIVING HELMET]: Replacement helmets for the current MK 21 which have reached the end of their service life. Some helmets will have heads-up displays with visual amplification (diver can see in total blackness). Required I/O is 250. [P40A / HY194 - CONTAMINATED WATER DIVING EQUIPMENT]: Surface supplied diving equipment (helmets, drysuits, umbilicals, surface exhaust consoles, etc.) specially designed for diving in contaminated water. Required I/O is 3. [P40A / HY199 - NAVY DIVE COMPUTER]: The diving computers are made of two major subsystems each of which has an estimated service life of 5 years. The first subsystem is a diver worn decompression computer. These will provide primarily scuba divers with real time calculation of decompression limits/obligation. I/O is 1400. The second subsystem is a topside decompression monitor which includes the		

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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 01: Ships Support Equipment / BSA 11: Ocean Engineering		P-1 Line Item Number / Title: 1130 / Diving and Salvage Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0204423N, 0204454N, 0204561N
topside computer and diver worn depth sensor. These will be provided as accessory equipment to be used with any Lightweight Diving System (LWDS), Fly Away Diving System III (FADS III), or Fly Away Mixed Gas Diving System (FMGS). Required Inventory Objective I/O is 2500.		
[P40A / HY207 - EXTREME LIGHTWEIGHT DIVING SYSTEM (XLDS)]: System consists of the Interspiro DIVIATOR DP-1 Surface Supply System combined with the Interspiro DIVIATOR SCUBA System. This is a very lightweight system that allows the portability of SCUBA and some of the benefits of surface supplied diving. Required Inventory Objective I/O is 50.		
[P40A / HY208 - IMPROVED TRANSPORTABLE RECOMPRESSION CHAMBER SYSTEMS (I-TRCS)]: This system will be a replacement for the aging TRCS chambers. It will run on 5000 psi air and utilize the new CASRA and COSRA for gas supplies. This will be a highly portable double lock chamber that will conduct a TT6A with all extensions and will be able to provide surface decompression for fleet divers. Required Inventory Objective I/O is 45.		
[P40A / HY209 - OXYGEN REGULATING CONSOLE ASSEMBLY (ORCA)]: System consists of a control panel and hoses that can interface with a surface supplied diving system (FADS III (air) or MK3 LWDS) in order to provide 100% oxygen to up to three (3) divers during decompression at 30 FSW and 20 FSW while in the water. This equipment is required when conducting longer decompression dives utilizing the dive tables contained in REV 6 of the USN Dive manual. Required Inventory Objective I/O is 40.		
[P40A / HY210 - COMPACT AIR SUPPLY RACK ASSEMBLY (CASRA)]: This is a smaller version of the Air Supply Rack Assembly (ASRA) that will have 4 cylinders rather than the 9 contained in the ASRA. The rack is anticipated to have 3 primary and 1 secondary cylinder with a simple, unregulated control panel. The rack will provide 3000 psi oxygen to either an ORCA, FADS IV, TRCS or I-TRCS. This is for use in surface supplied diving and hyperbaric treatment operations. Required Inventory Objective I/O is 25.		
[P40A / HY211 - COMPACT OXYGEN SUPPLY RACK ASSEMBLY (COSRA)]: This is a smaller version of the OSRA Supply Rack Assembly (OSRA) that will have 4 cylinders rather than 9 contained in the OSRA. The rack is anticipated to have 3 primary and 1 secondary cylinders with a simple, unregulated control panel. The rack will provide 3000psi oxygen to either an ORCA, FADS IV, TRCS or I-TRCS. This is for use in surface supplied diving and hyperbaric treatment operations. Required Inventory Objective I/O is 25.		
[P40A / HY212 - FLY AWAY DIVE SYSTEMS (FADS) IV CONTROL CONSOLE ASSEMBLY (CCA)]: This is a surface supplied diving system that will combine the functionality of the FADS III Air System and ORCA into one control panel. The system will reduce the footprint of the SSDS on dive station and will make decompression utilizing oxygen simpler for the operator. Air can be supplied by either CAOS, ARSA or a new CASRA. Oxygen could be supplied to the console utilizing K-bottles, CAOS, OSRAm or a new COSRA. The system is not anticipated to have a volume tank as it will operate on HP air only. Required Inventory Objective I/O is 20.		
[P40A / HY213 - HP COMPOSITE FLASK REPLACEMENT]: The flasks used in the CAOS, ASRA, OSRA, HOSRA, CASRA, and COSRA all require replacement after 15 years. NAVSEA 00C has will provide the cylinders to fleet diving commands. Required Inventory Objective I/O is 2500.		
[P40A / HY214 - CONTAMINATED WATER DIVING (CWD) SURFACE DECONTAMINATION EQUIP]: This equipment includes Tender protective gear, tents, diver decontamination equipment, and capturing and disposal containers to be used during a major contaminated water diving event. Required Inventory Objective I/O is 3.		
[P40A / SALVAGE (N9I)]: The SALVAGE EQUIPMENTS to be procured are:		
[P40A / HY016 - DECK CAPSTANS]: The deck systems are composed of multiple portable hydraulic systems and components that are designed to handle synthetic line or wire rope to aid in moving or positioning of barges, ships, or other floating elements on the water or items resting on the ocean floor. Deck Systems consist of portable hydraulic driven capstans, portable hydraulic driven winches with horizontal capstans, hydraulic power units, control systems, hydraulic hoses and all ancillary equipment. Required I/O is 34.		
[P40A / HY043 - OCEANOGRAPHIC UMBILICAL]: The Navy maintains the SWISS, DEEP DRONE, ORION, CURV-21 and MAGNUM remotely operated vehicles for use in hazardous salvage, inspection, and pollution operations. These vehicles are remotely controlled through umbilicals which transmit all command and control functions to the vehicle as well as transmitting all sensor data from the vehicle to the ship. They are procured in different lengths for use in varying ocean depths down to 20,000 feet. The umbilical also acts as the handling line. Required I/O is 16 (12 plus 4 spares).		

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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 01: Ships Support Equipment / BSA 11: Ocean Engineering		P-1 Line Item Number / Title: 1130 / Diving and Salvage Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0204423N, 0204454N, 0204561N
[P40A / HY050 - SYNTHETIC LINES]: This line is used for lifting, mooring, towing, rigging, and in conjunction with the remotely operated vehicles at the salvage site. Required I/O is 123. [P40A / HY062 - ROV SONAR SYSTEMS]: These sonars are used on the SWISS, DEEP DRONE, ORION, and CURV-21 remotely operated vehicles to locate items lost on the sea floor, aircraft debris fields, sunken hull sections, and submerged obstacles. Total I/O is 8 (6 operational plus 2 spares). [P40A / HY116 - PORTABLE SUBMERSIBLE PUMPS]: The submersible salvage pump system is designed move large volumes of fluid at a high discharge pressure resulting is a high lift capacity. The submersible pumps vary in discharge size of 2" to over 24" to meet designated response requirements. Systems are modular packaged for rapid deployment and transportation. Pump assemblies are designed to be used through limited access openings or to be positioned in confined spaces. Submersible salvage pump systems consist of submersible hydraulic pumps (2" to 24"), hydraulic power units, hydraulic hoses, and all ancillary equipment. Required I/O is 94. [P40A / HY136 - 30 KIP FADOSS]: The 30 KIP FADOSS is used to salvage objects from deep water. The primary function is to reduce the dynamic loads that are encountered due to ship motion. These systems will handle recovery of equipment up to a weight of 30,000 pounds. Required I/O 4. [P40A / HY131 - ROV HANDLING SYSTEM]: These systems are used to launch and recover remotely operated vehicles and to tend the deployed cable, compensate for ship motion, monitor cable tension, and store cable. Required I/O is 10 (5 operational and 5 spares). [P40A / HY140 - ROV CONTROL PACKAGE]: The ROV Control Package is used to control the various functions of the SWISS, DEEP DRONE, ORION, and CURV-21 ROVs. Required I/O is 6 (3 operational plus 3 spares). [P40A / HY142 - SALVAGE AIR COMPRESSOR]: The salvage air compressor systems are designed to generate high pressure air to be used by salvage response personnel to accomplish numerous possible salvage actions requiring pneumatic capability, including dewatering of flooded spaces to restore lost buoyancy, inflation of salvage lift bags and pontoons, operation of pneumatic tools and equipment that are employed in the salvage or recovery operation. Salvage Air Compressor Systems consist of multiple capacity diesel powered air compressor units including 125 CFM, 600 CFM, and 5000 psi models, air hoses for the rated air pressure and flow capacity, air manifolds, and all ancillary equipment. Required I/O is 36. [P40A / HY145 - COFFERDAM SYSTEM]: This system will contain a variety of cofferdams necessary to accomplish underwater repair tasks to hull plating, shafts, stern tubes and sea chests on several ship classes. The cofferdams are engineered structural habitats which provide a safe underwater dry environment for divers to work and require very little maintenance. Required I/O is 15. [P40A / HY146 - PROPELLER REPAIR KIT]: These kits will contain the tools necessary to repair minor propeller damage underwater. By accomplishing these repairs in-place, propeller removal and replacement can be avoided thereby saving maintenance funds and returning ships to service faster. Required I/O is 8. [P40A / HY147 - ROV TELEMETRY SYSTEM]: The ROV Telemetry System is the communication link between the surface controller and the vehicle. Required I/O is 6 (3 operational plus 3 spares). [P40A / HY153 - TENSIOMETERS]: Tensiometers are used to measure the tension exerted on a beach gear ground leg or heavy lift system. One system consists of two load sensing units with associated rigging and read-out meters. Required I/O is 66. [P40A / HY154 - WATER PURIFIERS]: Water Purifiers are capable of converting salty, brackish, or biologically polluted water into potable water. The systems are fully marinized for use aboard a ship of opportunity, and are complete with all necessary power sources, hoses, chemicals, and associated support equipment. Required I/O is 18. [P40A / HY155 - POWER GENERATORS]: The power generator systems are used aboard ship or ashore to provide electrical power during salvage and recovery operations. The power generator systems are composed of small diesel powered generator units (5kw, 7.5 kw, and 12 kw) and large diesel powered generator units (20 kw and 30 kw) and include power distribution panels, electrical distribution cabling, and all ancillary equipment. Required I/O is 47.		

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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 01: Ships Support Equipment / BSA 11: Ocean Engineering		P-1 Line Item Number / Title: 1130 / Diving and Salvage Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0204423N, 0204454N, 0204561N
[P40A / HY156 - SALVAGE VANS]: Salvage Vans are modified ISO 8ft x 8ft x 20ft shipping containers that are equipped with industrial shop equipment, hand tools, powered hand tools, lifting and hoisting devices, and other misc required material to fulfill the various missions of salvage and recovery. Each van is outfitted with humidity control devices for prolonging equipment life during storage. Required I/O is 10. [P40A / HY158 - ROV PROPULSION SYSTEMS]: ROV propulsion systems provide main propulsion and control of remotely operated vehicles. These consist of electric and hydraulic thruster motors, thrusters, controllers, and interconnect cabling and power supplies. Required I/O is 12 (8 operational plus 4 spares). [P40A / HY164 - FLYAWAY FADOSS SYSTEM]: This system consists of lightweight motion compensators, winches, rigging jewelry, and lines for lifting heavy objects off the sea floor. All of the components are designed to be flown to the salvage site and loaded aboard ships of opportunity. Required I/O is 4. [P40A / HY166 - ROV TOOL PACKAGES]: This tool package is utilized by remotely operated vehicles to accomplish work on objects on the sea floor and in the water column. These systems consist of dual manipulators, control systems, video inspection systems, range measuring systems, power supplies, hydraulic power units, and ancillary end effectors. I/O is 10 (5 operational and 5 spares). [P40A / HY169 - UWSH POWER TOOLS]: These tools will replace the hydraulic tool sets designed and issued to Fleet divers in the 1970's with improved technology. This technology improvement will provide tools which are more environmentally compatible, offer greater power, lighter weight and reduced maintenance. I/O is 15. [P40A / HY184 - SALVAGE SUPPORT SYSTEMS]: Salvage support systems are used to support Fleet Salvage Operations and include complex systems and equipment required for Command & Control, communications, supply, repair, rigging, and personnel support. Each system includes the storage and shipping containers necessary to forward deploy the systems and equipment to a salvage site. Humidity control devices are used for prolonging equipment life during storage. Required I/O is 10. [P40A / HY186 - SMART TOW SYSTEMS]: These systems consists of load cells, accelerometers, fire and flooding alarms, telemetry links and ancillary equipment to provide ship handlers with information critical to safe conduct of open ocean tows. I/O is 6. [P40A / HY190 - VIDEO EQUIPMENT]: Underwater video equipment used by divers to perform detailed inspections of ship hulls and appendages. Equipment is used extensively throughout the Fleet. This equipment will replace aging systems currently in use throughout the Fleet. I/O is 20. [P40A / HY195 - UNDERWATER RIGGING SUPPORT SYSTEM]: General and special purpose rigging equipment designed for use in underwater ship repair applications. I/O - 10. [P40A / HY196 - UWSH SUBMARINE SUPPORT SYSTEM]: Special purpose underwater tools and equipment used by divers to perform routine and emergent repairs on all classes of submarines. I/O - 16. [P40A / HY197 - UWSH PIERSIDE SUPPORT VANS]: Portable milvans and shippable containers outfitted with general and special purpose tools to support various underwater ship husbandry operations. I/O - 10 [P40A / HY198 - UWSH SURFACE SHIP SUPPORT SYSTEMS]: Special purpose underwater tools used by divers to perform routine and emergent repairs to all Classes of surface ships. I/O - 30 [P40A / HY200 - DEEP DRONE 21]: Modernization of the Remotely Operated Vehicle (ROV) DEEP DRONE to include power, telemetry, avionics, thrusters, camera systems, and tools. Required Inventory Objective I/O is 1. [P40A / HY201 - JETTING PUMPS]: System is designed to provide a high velocity water stream to move mud, sand, or silt. The system consists of a medium pressured, high flow rate pump that supplies water to specially designed diver operated jetting nozzles via high pressure hoses. The system is used mainly for jetting, but also can be used for firefighting and limited dewatering. Required Inventory Objective I/O is 22.		

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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 01: Ships Support Equipment / BSA 11: Ocean Engineering		P-1 Line Item Number / Title: 1130 / Diving and Salvage Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0204423N, 0204454N, 0204561N
[P40A / HY202 - 300/400 AMP PORTABLE ELECTRIC WELDER]: System consists of a portable electric powered welder, welding cables, a stinger and ground clamp, welding safety equipment, and a spare parts kit. The system is used for arc welding and oxygen-arc cutting. Required Inventory Objective I/O is 22. [P40A / HY203 - HYDRAULIC U/W TOOL KIT]: Tool kit consists of various hydraulic actuated tools operated by a diver to perform various tasks underwater. The kit also contains hydraulic hoses, various fittings, and accessories. Required Inventory Objective I/O is 25. [P40A / HY204 - 400 AMP WELDER - DIESEL]: System consists of a skid-mounted, portable, diesel powered welding generator, welding cables, a stinger and ground clamp, welding safety equipment, and a spare parts kit. The system is used for arc welding and oxygen-arc cutting. Required Inventory Objective I/O is 25. [P40A / HY205 - LIGHTING KIT SYSTEM]: System consists of extendable masts, 500-watt halogen floodlights, drop lights, extension cords, spare bulbs, and other miscellaneous items to support general lighting for salvage and oil pollution operations. The Lighting Kit System can use any 100-volt, single phase power source found at the salvage or pollution site. Required Inventory Objective I/O is 25. [P40A / HY206 - KERRIE CABLE UNDERWATER CUTTING SYSTEM]: Underwater cutting systems are used by salvage response personnel to cut through metal and other material either underwater or in air using an exothermic material. The underwater cutting systems include the exothermic material including Brocco Rod or Kerri Cable, pressurize oxygen gas hoses and regulators, cutting support fixtures, and all ancillary equipment. Required I/O is 28. [P40A / HY215 LIGHTWEIGHT MOORING SYSTEM]: This is a lightweight and highly portable system for establishing a mooring in shallow to deep water. The system shall include a mooring leg consisting of anchors, chain, synthetic line and associated jewelry and fittings. Total I/O is 8. [P40A / HY216 - SALVAGE/BDR MATERIAL KIT]: This system is for emergency response to ship casualties and provides the necessary material to construct custom patches and cofferdams. The kit also includes tools to install the custom built items in place over the damaged hull sections. I/O is 25. [P40A / HY217 - SALVAGE LIFT BAGS (22K lbs)]: This system provides a buoyant force using compressed air to lift or support items in the water column. These Lift Bags are sized to provide a force of approximately 22,000 lbs. The I/O is 22. [P40A / HY218 SALVAGE LIFT BAGS (35 TONS)]: This system provides a buoyant force using compressed air to lift or support items in the water column. These Lift Bags are sized to provide a force of approximately 35 tons. The I/O is 16. [P40A / HY219 - PORTABLE SALVAGE CRANE]: A portable crane system for use on a vessel of opportunity to provide a lifting force during salvage operations. I/O is 4. [P40A / HY220 - AUV SEARCH SYSTEM]: The AUV Search System will survey the ocean floor using a suite of sensors to locate and identify targets of interest. The sensors include Side Scan Sonar, multibeam, sub bottom profile, and still photo. The complete system includes a vehicle, sensor suite, A-frame handling system, and operations/shipping container. I/O is 1.		

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ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements: 0204423N, 0204454N, 0204561N									
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)	
Diving and Salvage Equipment	P-40a		-	-	47.162	-	-	8.261	-	-	6.854	-	-	10.572	-	-	-	-	-	10.572	
Total Gross/Weapon System Cost			-	-	47.162	-	-	8.261	-	-	6.854	-	-	10.572	-	-	-	-	-	10.572	
*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.																					

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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 / 01 / 11								P-1 Line Item Number / Title: 1130 / Diving and Salvage Equipment							Aggregated Items Title: Diving and Salvage 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	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) DIVING (N97)																				
1.1) HY106 - LIGHTWEIGHT DIVE SYSTEMS	A		1,424K	2	2.848	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) HY107 - PORTABLE RECOMPRESSION CHAMBERS	A		540,000.00	1	0.540	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) HY123 - FLY AWAY DIVE SYSTEMS III HP COMPOSITE FLASK REPLACEMENT	A		292,666.67	24	7.024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) HY132 - STANDARD NAVY DOUBLE LOCK RECOMPRESSION CHAMBER (SNDL)	A		2,454K	2	4.907	1,259K	1	1.259	1,283K	1	1.283	-	-	-	-	-	-	-	-	-
1.5) HY176 - HP AIR COMPRESSORS	A		27,000.00	11	0.297	-	-	-	68,000.00	1	0.068	69,500.00	2	0.139	-	-	-	69,500.00	2	0.139
1.6) HY177 - AIR PURIFICATION UNITS	A		546,000.00	1	0.546	-	-	-	129,250.00	4	0.517	42,600.00	5	0.213	-	-	-	42,600.00	5	0.213
1.7) HY179 - NAVY EXPERIMENTAL DIVING UNIT	A		1,268K	3	3.805	768,000.00	1	0.768	566,000.00	1	0.566	658,000.00	1	0.658	-	-	-	658,000.00	1	0.658
1.8) HY192 - THERMAL DIVING SUITS ⁽¹⁾	A		7,700.00	10	0.077	-	-	-	2,500.00	2	0.005	26,000.00	12	0.312	-	-	-	26,000.00	12	0.312
1.9) HY193 - SURFACE SUPPLIED DIVING HELMET ⁽²⁾	A		40,500.00	12	0.486	6,666.67	15	0.100	6,600.00	5	0.033	7,000.00	5	0.035	-	-	-	7,000.00	5	0.035
1.10) HY194 - CONTAMINATED WATER DIVING EQUIPMENT	A		446,000.00	1	0.446	-	-	-	379,000.00	1	0.379	-	-	-	-	-	-	-	-	-
1.11) HY199 - NAVY DIVE COMPUTER	A		2,005.78	346	0.694	1,071.43	126	0.135	1,089.29	56	0.061	1,088.89	45	0.049	-	-	-	1,088.89	45	0.049
1.12) HY207 - EXTREME LIGHTWEIGHT DIVING SYSTEM (XLDS)	A		-	-	-	41,000.00	1	0.041	41,500.00	2	0.083	42,500.00	2	0.085	-	-	-	42,500.00	2	0.085
1.13) HY208 - IMPROVED TRANSPORTABLE RECOMPRESSION	A		-	-	-	-	-	-	400,000.00	1	0.400	425,000.00	1	0.425	-	-	-	425,000.00	1	0.425

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Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 11						P-1 Line Item Number / Title: 1130 / Diving and Salvage Equipment									Aggregated Items Title: Diving and Salvage 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
CHAMPPER SYSTEMS (I-TRCS)																				
1.14) HY209 - OXYGEN REGULATING CONSOLE ASSEMBLY (ORCA)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.15) HY210 - COMPACT AIR SUPPLY RACK ASSEMBLY (CASRA)	A		180,000.00	2	0.360	-	-	-	188,000.00	1	0.188	192,000.00	2	0.384	-	-	-	192,000.00	2	0.384
1.16) HY211 - COMPACT OXYGEN SUPPLY RACK ASSEMBLY (COSRA)	A		180,000.00	2	0.360	-	-	-	188,000.00	1	0.188	-	-	-	-	-	-	-	-	-
1.17) HY212 - FLY AWAY DIVE SYSTEMS (FADS) IV CONTROL CONSOLE ASSEMBLY (CCA) ⁽³⁾	A		-	-	-	114,500.00	2	0.229	317,000.00	1	0.317	239,000.00	1	0.239	-	-	-	239,000.00	1	0.239
1.18) HY213 - HP COMPOSITE FLASK REPLACEMENT	A		4,472.22	72	0.322	4,564.52	124	0.566	4,656.00	125	0.582	4,732.39	71	0.336	-	-	-	4,732.39	71	0.336
1.19) HY214 - CONTAMINATED WATER DIVING (CWD) SURFACE DECONTAMINATION EQUIP	A		-	-	-	-	-	-	-	-	-	569,000.00	1	0.569	-	-	-	569,000.00	1	0.569
Subtotal: 1) DIVING (N97)			-	-	22.712	-	-	3.098	-	-	4.670	-	-	3.444	-	-	-	-	-	3.444
2) DIVING AND/OR SALVAGE (N95)																				
2.1) HY132 - STANDARD NAVY DOUBLE LOCK RECOMPRESSION CHAMBER (SNDL)	A		1,450K	3	4.351	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) DIVING AND/OR SALVAGE (N95)			-	-	4.351	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) SALVAGE (N91)																				
3.1) HY016 - DECK CAPSTANS ⁽⁴⁾	A		28,000.00	6	0.168	57,500.00	2	0.115	55,500.00	2	0.111	59,000.00	1	0.059	-	-	-	59,000.00	1	0.059
3.2) HY043 - OCEANOGRAPHIC UMBILICAL	A		821,000.00	1	0.821	-	-	-	-	-	-	982,000.00	1	0.982	-	-	-	982,000.00	1	0.982
3.3) HY050 - SYNTHETIC LINES	A		-	-	-	-	-	-	-	-	-	203,500.00	2	0.407	-	-	-	203,500.00	2	0.407

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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
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3.4) HY062 - ROV SONAR SYSTEMS	A		186,000.00	1	0.186	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.5) HY116 - PORTABLE SUBMERSIBLE PUMPS ⁽⁵⁾	A		204,500.00	8	1.636	134,000.00	2	0.268	87,333.33	3	0.262	89,000.00	4	0.356	-	-	-	89,000.00	4	0.356
3.6) HY136 - 30 KIP FADOSS	A		362,000.00	1	0.362	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.7) HY131 - ROV HANDLING SYSTEM	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.8) HY140 - ROV CONTROL PACKAGE	A		-	-	-	991,000.00	1	0.991	-	-	-	-	-	-	-	-	-	-	-	-
3.9) HY142 - SALVAGE AIR COMPRESSOR ⁽⁶⁾	A		35,500.00	4	0.142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.10) HY145 - COFFERDAM SYSTEM	A		879,500.00	2	1.759	-	-	-	135,000.00	1	0.135	139,666.67	3	0.419	-	-	-	139,666.67	3	0.419
3.11) HY146 - PROPELLER REPAIR KIT	A		421,000.00	2	0.842	-	-	-	-	-	-	139,666.67	3	0.419	-	-	-	139,666.67	3	0.419
3.12) HY147 - ROV TELEMETRY SYSTEM	A		398,000.00	1	0.398	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.13) HY153 - TENSIO Meters	A		17,285.71	7	0.121	15,000.00	6	0.090	15,400.00	10	0.154	15,400.00	5	0.077	-	-	-	15,400.00	5	0.077
3.14) HY154 - WATER PURIFIERS	A		140,000.00	1	0.140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.15) HY155 - POWER GENERATORS ⁽⁷⁾	A		11,062.50	16	0.177	-	-	-	6,000.00	2	0.012	-	-	-	-	-	-	-	-	-
3.16) HY156 - SALVAGE VANS ⁽⁸⁾	A		121,000.00	3	0.363	190,000.00	1	0.190	-	-	-	196,000.00	1	0.196	-	-	-	196,000.00	1	0.196
3.17) HY158 - ROV PROPULSION SYSTEMS	A		596,000.00	1	0.596	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.18) HY164 - FLYAWAY FADOSS SYSTEM	A		534,000.00	1	0.534	751,000.00	1	0.751	-	-	-	-	-	-	-	-	-	-	-	-
3.19) HY166 - ROV TOOL PACKAGES	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.20) HY169 - UWSH POWER TOOLS	A		145,000.00	1	0.145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 11							P-1 Line Item Number / Title: 1130 / Diving and Salvage Equipment								Aggregated Items Title: Diving and Salvage 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
3.21) HY184 - SALVAGE SUPPORT SYSTEMS ⁽⁹⁾	A		537,333.33	3	1.612	207,000.00	1	0.207	205,500.00	2	0.411	215,000.00	2	0.430	-	-	-	215,000.00	2	0.430
3.22) HY186 - SMART TOW SYSTEMS ⁽¹⁰⁾	A		36,000.00	1	0.036	-	-	-	-	-	-	160,000.00	1	0.160	-	-	-	160,000.00	1	0.160
3.23) HY190 - VIDEO EQUIPMENT	A		257,000.00	1	0.257	-	-	-	-	-	-	180,000.00	1	0.180	-	-	-	180,000.00	1	0.180
3.24) HY195 - UNDERWATER RIGGING SUPPORT SYSTEM	A		525,000.00	2	1.050	-	-	-	149,500.00	2	0.299	139,000.00	3	0.417	-	-	-	139,000.00	3	0.417
3.25) HY196 - UWSH SUBMARINE SUPPORT SYSTEM ⁽¹¹⁾	A		630,000.00	5	3.150	306,500.00	2	0.613	-	-	-	1,095K	2	2.190	-	-	-	1,095K	2	2.190
3.26) HY197 - UWSH PIERSIDE SUPPORT VANS	A		577,000.00	1	0.577	-	-	-	200,000.00	1	0.200	-	-	-	-	-	-	-	-	-
3.27) HY198 - UWSH SURFACE SHIP SUPPORT SYSTEMS	A		157,500.00	6	0.945	174,250.00	8	1.394	163,500.00	2	0.327	-	-	-	-	-	-	-	-	-
3.28) HY200 - DEEP DRONE 21	A		3,072K	1	3.072	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.29) HY201 - JETTING PUMPS	A		162,500.00	2	0.325	200,000.00	1	0.200	-	-	-	207,000.00	3	0.621	-	-	-	207,000.00	3	0.621
3.30) HY202 - 300/400 AMP PORTABLE ELECTRIC WELDER	A		7,000.00	8	0.056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.31) HY203 - HYDRAULIC U/W TOOL KIT	A		45,500.00	6	0.273	62,400.00	5	0.312	63,333.33	3	0.190	65,000.00	3	0.195	-	-	-	65,000.00	3	0.195
3.32) HY204 - 400 AMP WELDER - DIESEL	A		32,375.00	8	0.259	-	-	-	-	-	-	20,000.00	1	0.020	-	-	-	20,000.00	1	0.020
3.33) HY205 - LIGHTING KIT SYSTEM	A		12,125.00	8	0.097	16,000.00	2	0.032	17,000.00	2	0.034	-	-	-	-	-	-	-	-	-
3.34) HY206 - KERRIE CABLE UNDERWATER CUTTING SYSTEM ⁽¹²⁾	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.35) HY215 LIGHTWEIGHT MOORING SYSTEM	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
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3.36) HY216 - SALVAGE/BDR MATERIAL KIT	A		-	-	-	-	-	-	49,000.00	1	0.049	-	-	-	-	-	-	-	-	-
3.37) HY217 - SALVAGE LIFT BAGS (22K lbs)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.38) HY218 SALVAGE LIFT BAGS (35 TONS)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.39) HY219 - PORTABLE SALVAGE CRANE	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.40) HY220 - AUV SEARCH SYSTEM	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) SALVAGE (N9)			-	-	20.099	-	-	5.163	-	-	2.184	-	-	7.128	-	-	-	-	-	7.128
Total			-	-	47.162	-	-	8.261	-	-	6.854	-	-	10.572	-	-	-	-	-	10.572

Footnotes:

- (1) HY192 - THERMAL DIVING SUITS: Suits that have an active heating system, to keep diver warm, have higher unit costs than standard dry suits. The units bought previous to FY15 are standard Dry Suits. Starting in FY15, will begin to procure active heating systems. These include a tube suit, u/w heat pump, battery pack, and charging system. Unit cost estimate is based on contractor estimates.
- (2) HY193 - SURFACE SUPPLIED DIVING HELMET: Systems will range in unit cost based on which system is procured (with or without heads-up display/visual amplification).
- (3) HY212 - FLY AWAY DIVE SYSTEMS (FADS) IV CONTROL CONSOLE ASSEMBLY (CCA): FY14 cost for one system is \$317K while follow on systems are estimated at lower costs. This is because the FY14 system requires additional cost to procure drawings and technical manuals to support the product.
- (4) HY016 - DECK CAPSTANS: Unit cost variation is dependent on the specific components required IAW the procurement schedule.
- (5) HY116 - PORTABLE SUBMERSIBLE PUMPS: Unit cost variation is dependent on the specific components required IAW the procurement schedule.
- (6) HY142 - SALVAGE AIR COMPRESSOR: Unit cost variation is dependent on the specific components required IAW the procurement schedule.
- (7) HY155 - POWER GENERATORS: Unit cost variation is dependent on the specific components required IAW the procurement schedule.
- (8) HY156 - SALVAGE VANS: Unit cost variation is dependent on the specific components required IAW the procurement schedule.
- (9) HY184 - SALVAGE SUPPORT SYSTEMS - Unit cost variation is dependent on the specific components required IAW the procurement schedule.
- (10) HY186 - SMART TOW SYSTEMS: Current version incorporates almost 7 years of Fleet Feedback on the performance of the SMART Tow system. Significant technical enhancements have been implemented in order to improve reliability and performance of the system in most arduous sea conditions. Fleet requirements to tow larger combatants under no-manning conditions have resulted in a substantially larger system with additional sensors and higher order programming to ensure the tows are completed safely over greater distances. Unit costs reflect current market analysis of the advance technology components employed in the system.
- (11) HY196 - UWSH SUBMARINE SUPPORT SYSTEM: These systems have a large cost range variance due the number and complexity of the tools and equipment components required which is driven by the differing complexity, size, configuration and depth of the submarine systems on which they are employed over the 5 classes of submarines supported.
- (12) HY206 - KERRIE CABLE UNDERWATER CUTTING SYSTEM: Unit cost variation is dependent on the specific components required IAW the procurement schedule.

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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 01: Ships Support Equipment / BSA 12: Small Boats							P-1 Line Item Number / Title: 1210 / Standard Boats					
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>)	268.826	29.013	28.676	129.784	-	129.784	48.606	39.922	40.632	41.369	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	268.826	29.013	28.676	129.784	-	129.784	48.606	39.922	40.632	41.369	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	268.826	29.013	28.676	129.784	-	129.784	48.606	39.922	40.632	41.369	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date. Description: Naval Sea Systems Command (NAVSEA) -- Boats are procured to fill allowances established by CNO and NAVSEA and to replace boats now in service which are beyond economical repair at shore activities and aboard ships. Total inventory objectives change based on Fleet requirements. H0001 BASE OPERATING FORCES Force Protection Boat (Small) - Light gasoline twin outboard engine powered (up to 150 HP each) aluminum boats from 7 to 8.2 meters (24 to 27 ft) in length used primarily for fleet force protection, maritime interdiction, law enforcement operations, at Naval activities and adjacent ports and waterways duties. Can operate in areas where the environment (sea states/climatology) does not present a significant challenge. Service life is 7 years. CNIC Force Protection Boat (Small) - Gasoline twin outboard engine aluminum boats approximately 8.5 meters (27 ft) in length with a narrow beam to aid in transport. Used primarily for fleet security, force protection/anti-terrorism, maritime interdiction and law enforcement operations at Naval activities and adjacent ports and waterways. The boats are provided with shouldering capabilities and foundations suitable for weapons. The boats operate primarily at Naval activities in sheltered harbors and waterways. Service life is 7 years. CNIC Force Protection Boat (Medium) - Gasoline outboard engine powered aluminum boats approximately 10 meters (33 ft) in length used primarily for fleet force protection, maritime interdiction, law enforcement operations at Naval activities and adjacent ports and waterways duties. Needed for operations in areas where the environment (sea states/climatology) is significant enough to necessitate the larger boat and resultant larger engines to meet the performance/operational requirements. Service life is 7 years. CNIC Force Protection Boat (Large) - Gasoline twin outboard engine powered aluminum boats approximately 11 meters (36 ft.) in length with a wide beam used primarily for fleet force protection, maritime interdiction, law enforcement operations, at Naval activities and adjacent ports and waterways duties. Needed in areas where the environment (sea states/climatology) necessitates a larger boat for dependability. Service life is 7 years. CNIC Workboat (Medium) - Diesel inboard-engine powered steel boats up to approximately 11 meters (36 ft) in length used primarily for multi-purpose workboat applications at Naval activities and adjacent ports and waterways duties, such as towing and pusher boat capabilities, line handling, harbor cleaning, and security barrier tending. Habitability, maneuverability and bollard pull power are commensurate												

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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 01: Ships Support Equipment / BSA 12: Small Boats		P-1 Line Item Number / Title: 1210 / Standard Boats
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
with operational requirements associated with barrier and moderately sized vessel assist (i.e., barges, boats, etc.). The Workboat (Medium) is capable of performing operations in areas where the operating environment (sea states/climatology) is not significant enough to necessitate the larger boat, but includes the capabilities necessary to meet operational requirements. Service life is 20 years. CNIC Workboat (Large) - Diesel inboard-engine powered steel boats over approximately 11 meters (36 ft) in length used primarily for multi-purpose workboat applications at Naval activities and adjacent ports and waterways. Duties include towing and pusher tugboat capabilities, diver support, ship's husbandry, cargo carrier, personnel ferry, harbor cleaning, firefighting and security barrier tending. Habitability, maneuverability and bollard pull power are commensurate with operational requirements associated with large sized vessel assist (i.e., ships, derricks, etc.). The Workboat (Large) is needed for operations in areas where the operating environment (including sea states/climatology) is significant enough to necessitate the larger boat and include the capabilities necessary to meet operational requirements. Service life is 25 years. CNIC Utility Boat Small - Gasoline outboard engine powered aluminum boats approximately 8 meters (26 feet) in length. Used for a variety of missions including search and rescue, craft maintenance, diver support, and transfer of personnel and light cargo. Service life is 10 years. Combo ASD Tug Trainer - Diesel inboard engine and Z-drive powered boats approximately 9 meters (30 feet) in length. These dual purpose boats are used to train harbor tugboat masters and are also used for security barrier tending and other light towing/craft assist missions within harbors. Boats are equipped with a hawser winch, a bow staple, an aft tow cleat, and navigation and communications equipment arranged to mimic a harbor tugboat. Service life is 20 years. NAVFAC Pusher Boat - Inboard diesel engine(s) powered boats approximately 12 meters (40 feet) in length. Used primarily for movements of floating crane barges within harbors. Service life is 20 years. H0002 AMPHIBIOUS ASSAULT SHIPS 11M (36ft) Rigid Inflatable Boat (RIB) - Carried as a ship's boat or assigned to a shore activity to perform a variety of operations including personnel and light cargo transfer, anchorage administration Anti-Terrorism/Force Protection (AT/FP) operations and swimmer defense, visit/boarding/search and maritime interdiction, Amphibious Assault Vehicle (AAV) safety boat and Advanced Amphibious Assault Vehicle (AAAV) assist boat. Service life is 12 years. H0003 EXPLOSIVE ORDNANCE DISPOSAL FORCES Explosive Ordnance Disposal (EOD) Support Craft (RIB) - Used for area search, MK 5 and MK 16 Underwater Breathing Apparatus (UBA)/Diving Training, Mammal Operations, Ordnance/mine recovery, parachute insertion support and Command and Control. Service life is 10 years. SPAWAR 11M (36ft) EOD Type RIB - The 11m RIBs are required to support the emergent establishment of an enduring MK 18 unmanned underwater vehicle family of systems capability for near term operational missions in the shallow water and very shallow water environments in the Fifth Fleet area of responsibility. Operational missions include Intelligence Preparation of the Operational Environment/Mine Countermeasure Missions. Service life is 7-10 years. H0004 NAVAL SPECIAL WARFARE NSW Short Range Support Craft - Used in support of combat swimmer-diver training evolutions and the Special Warfare Combatant Craft (SWCC) Basic Crewman Training curriculum. Service life is 10 years. NSW Long Range Support Craft - SEAL combat swimmer/SEAL Delivery Vehicle (SDV)/surface swimmer safety craft for offshore/open ocean training support. Provides transportation to/from training areas, dive supervisor/event officer-in-charge/corpsman safety support platform and injured diver/swimmer egress platform for Naval Special Warfare. Service life is 10 years. Visit, Board, Search, and Seizure (VBSS) Craft - Provide operational commander a capability to conduct VBSS and Maritime Interception Operations (MIO) from an Afloat Staging Base in conjunction with an overwatch craft and other friendly forces. Service life is 7 years.		

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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 01: Ships Support Equipment / BSA 12: Small Boats		P-1 Line Item Number / Title: 1210 / Standard Boats
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
H0005 RIVERINE ACTIVITIES Riverine Multi-Mission Craft - Provides the Navy the ability to conduct shaping and stability (Phase 0) operations, maritime security and additional tasks related to the Overseas Contingency Operations (OCO) on inland waterways. Service life is 8 years. MK VI Patrol Boat - Naval Expeditionary Combat Command (NECC) Riverine Forces require a tactically sized, highly reliable, combatant craft capable of operating from land or maritime platforms. The mission of the MK VI is to provide the operational commander a capability to persistently patrol shallow littoral areas beyond sheltered harbors and bays, and into less sheltered open water out to the Departure Sea Area (DSA) for the purpose of force protection of friendly and coalition forces and critical infrastructure. Mission profiles may include: patrol of Maritime Pre-positioning Force (MPF) and Joint Logistics Over the Shore (JLOTS) anchorage and marshaling areas, offshore economic infrastructure Gulf Oil Platforms (GOPLATs), High-Value Asset (HVA) shipping escort, over watch of Maritime Interdiction Operations (MIO) / Vessel Board, Search and Seizure (VBSS) operations, Theater Security Cooperation (TSC), and Security Force Assistance (SFA). Service life is 7-10 years. H0006 SUPPORT FORCES 7M (24ft) Rigid Inflatable Boat (RIB) - Diesel powered, primarily used as ship's lifeboats, search and rescue boats, liberty boats, and for general transportation on auxiliaries, combatants, carriers, amphibious, and shore activities. Also used for Anti-Terrorism/Force Protection (AT/FP) and Maritime Interdiction Operation/Vessel Boarding Search and Seizure (MIO/VBSS) operations. Service life is 12 years. H0007 FLEET LOGISTICS SUPPORT 7M (24ft) Rigid Inflatable Boat (RIB) - Diesel powered, primarily used as ship's lifeboats, search and rescue boats, liberty boats, and for general transportation on auxiliaries, combatants, carriers, amphibious, and shore activities. Also used for Anti-Terrorism/Force Protection (AT/FP) and Maritime Interdiction Operation/Vessel Boarding Search and Seizure (MIO/VBSS) operations. Service life is 12 years. H0008 NAVAL COASTAL WARFARE Patrol Boat (small) - Light gasoline twin outboard engine powered (up to 150 HP each) aluminum boats from 7 to 8.2 meters (24 to 27 ft) in length used primarily for fleet force protection, maritime interdiction, law enforcement operations, at Naval activities and adjacent ports and waterways duties. Can operate in areas where the environment (sea states/climatology) does not present a significant challenge. Service life is 7 years. Patrol Boat (Large) - Twin diesel engine powered aluminum boats over 9 meters (30 ft) in length used primarily for fleet force protection, maritime interdiction, law enforcement operations, at Naval activities and adjacent ports and waterways duties. Needed in areas where the environment (sea states/climatology) necessitates a larger boat for dependability. Too heavy to meet the performance/operational requirements with outboard engines. Service life is 7 years. H0009 WARFARE INTEGRATION Dive Boat Replacement - Operations involving diving or the need to deploy support equipment at or near the water. Examples include dive operations focusing on underwater ships husbandry of Fleet assets, training, underwater survey and RDT&E, as well as, general ports and waterways operations, routine harbor maintenance and cleanup duties, and to assist in patrol, rescue, firefighting and picket operations. Aluminum hull from 50 to 60 ft, walkthrough cabin, seating for coxswain & navigator, bench seating for four passengers, bitts forward & aft, engine guard rail, dive door (stbd.), certified hoisting fittings & hoisting sling. Cabin light, sliding windows, wiper assembly, heater, Very High Frequency (VHF) radio w/hailer, spotlight, electric bilge pump, battery charger, spare parts, aluminum trailer w/pintle hitch. Service life: 15-20 years. H0010 POLLUTION CONTROL EQUIPMENT		

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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 01: Ships Support Equipment / BSA 12: Small Boats		P-1 Line Item Number / Title: 1210 / Standard Boats
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
Oil boom Platform - 30' Boom Platform (BP) Boat used for Oil Spill Response operations, working in conjunction with 25ft UBs and Rapid Response Skimmers (RRS). Typical mission requires UB and BP to sprint to the oil spill location ahead of the RRS. After spill assessment, 24" response boom (aboard BP) is tied off to UB, which is used to payout/deploy boom to surround spill while the RRS recovers the oil. BP crew delivers and unravels the boom during oil skimming operations. Typical mission duration is 3-8 hours. Service life is 10 years. Utility Boats - 25' Utility Boats (UB) used for Oil Spill Response operations, working in conjunction with Boom Platforms (BPs) and Rapid Response Skimmers (RRS). Typical mission requires UB and BP to sprint to the oil spill location ahead of the RRS. After spill assessment, 24" response boom (aboard BP) is tied off to UB, which is used to payout/deploy boom to surround spill while the RRS recovers the oil. UB crew tends boom during oil skimming operations, accessing boom over low gunwales or via dive door on UB. Typical mission duration is 3-8 hours. Service life is 10 years. Rapid Response Skimmers - Rapid Response Skimmers (RRS) used for Oil Spill Response operations, working in conjunction with Boom Platforms (BPs) and Utility Boats (UBs). Typical mission requires UB and BP to sprint to the oil spill location ahead of the RRS. After spill assessment, 24" response boom (aboard BP) is tied off to UB, which is used to payout/deploy boom to surround spill while the RRS recovers the oil. The RRS "skims" the oil off of the top of the water and holds it in an onboard storage container for proper disposal and processing. Typical mission duration is 3-24 hours. Service life is 10 years. H0830 PRODUCTION ENGINEERING Production Engineering funds are used for engineering and technical support of boat and combatant craft acquisition and the development of integrated logistics support documentation to include technical data packages, provisioning, technical manuals, preventative maintenance documents and naval training systems plans. Technical support shall include acceptance trials, test and evaluation, inspections of production facilities, methods and quality assurance procedures and processes during and after construction. Additionally, official Navy boat inventory management, pre-delivery and post-delivery inspections and preparing documentation regarding boat and combatant craft procurement contract closeout and may be accomplished. Boats will not be safe or suitable to perform Navy boat and combatant craft missions if acquisition engineering technical support and integrated logistics support are not funded and completed. Boats will not be properly accounted for in accordance with OPNAV 4780.6E if boat inventory management is not provided. H0CA5 DIVE BOATS Operations involving diving or the need to deploy support equipment at or near the water. Examples include dive operations focusing on underwater ships husbandry of Fleet assets, training, underwater survey and RDT&E, as well as, general ports and waterways operations, routine harbor maintenance and cleanup duties, and to assist in patrol, rescue, firefighting and picket operations. Aluminum hull from 50 to 60 ft, walkthrough cabin, seating for coxswain & navigator, bench seating for four passengers, bitts forward & aft, engine guard rail, dive door (stbd), certified hoisting fittings & hoisting sling. Cabin light, sliding windows, wiper assembly, heater, VHF radio w/hailer, spotlight, electric bilge pump, battery charger, spare parts, aluminum trailer w/pintle hitch. Service life: 15-20 years. H0CA6 RANGE SUPPORT CRAFT Workboat type vessel to serve US Navy Weapons Systems Training and Validation, assisting fleet operations conducting acoustical, thermal and cross-section measurements and testing. Hulls to be steel or aluminum with aluminum superstructure and corrosion resistant systems, components and hardware to operate in industrial conditions with minimal maintenance. Sea kindliness underway and while loitering for extended periods are among the primary operational requirements. A large open workspace on the after deck with a retrieval ramp providing access to the water and appropriate weapons handling machinery. Weapons systems equipment to be handled includes missiles, torpedoes, surface and air launched Remotely Operated Vehicles (ROVs) and targets. Minimal freeboard height aft is necessary for crew safety while accessing and operating the weapons retrieval mechanism without compromising stability. Habitability requirements include berthing, galley, mess, lounge, head(s), generator set(s), HVAC system and defrosters. The boat must be able to accommodate extreme loading conditions (i.e., from a full weapons load topside to light load). The boat must be as stable and as wide as possible to provide the inherent stability characteristics necessary to perform the operations and necessary to provide ergonomics for the crew and passengers. Requirements include communications, navigation and other electronics systems necessary to support the sophisticated training, validation and recording of specialized measurements to support a wide variety of operations. A Commercial Off The Shelf (COTS) boat built to recognize commercial standards can accomplish specific operational requirements for the mission. Service Life is 25 years. H0CAB FORCE PROTECTION BOAT (SMALL)		

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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 01: Ships Support Equipment / BSA 12: Small Boats	P-1 Line Item Number / Title: 1210 / Standard Boats

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
Light gasoline twin outboard engine powered (up to 150 HP each) aluminum boats from 7 to 8.2 meters (24 to 27 ft) in length used primarily for fleet force protection, maritime interdiction, law enforcement operations, at Naval activities and adjacent ports and waterways duties. Can operate in areas where the environment (sea states/climatology) does not present a significant challenge. Service life is 7 years. H0G86 OCO SUPPLEMENTAL Current existing systems require replacements for boats due to excessive wear and tear. The boats are being maintained; however, they are not designed for the operational tempo (OPTEMPO) and harsh operating conditions in which they will be employed. The Force Protection Coastal (FPC) boats will provide capability called for in Visit, Board, Search and Seizure (VBSS) overwatch Urgent Operational Needs Statement (UONS) that cannot be met with existing boats. The Riverine Patrol boats, 7m EOD RIBS, and Force Protection Large are for boats already in theater. SSPBV Blocking Vessels Blocking Vessels - 250' Off Shore Vessels (OSVs) also referred to as Blocking Vessels (BVs) operating at each Strategic Weapons Facility (Bangor, Washington and Kings Bay, Georgia). The Blocking Vessels are a key security component in the transit of SSBNs to and from the dive point. Service Life is 25 years.		

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)
Standard Boats	P-40a		-	-	268.826	-	-	29.013	-	-	28.676	-	-	129.784	-	-	-	-	-	129.784
Total Gross/Weapon System Cost			-	-	268.826	-	-	29.013	-	-	28.676	-	-	129.784	-	-	-	-	-	129.784

*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.

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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 / 01 / 12								P-1 Line Item Number / Title: 1210 / Standard Boats							Aggregated Items Title: Standard Boats					
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) H0001 - Base Operating Forces																				
1.1) Force Protection Small	A		3,387K	3	10.161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) CNIC Force Protection Small	A		359,000.00	3	1.077	369,000.00	1	0.369	380,000.00	2	0.760	391,000.00	5	1.955	-	-	-	391,000.00	5	1.955
1.3) CNIC Force Protection Medium	A		749,142.86	21	15.732	425,000.00	8	3.400	-	-	-	450,000.00	10	4.500	-	-	-	450,000.00	10	4.500
1.4) CNIC Force Protection Large	A		16,695K	2	33.390	746,000.00	1	0.746	768,000.00	1	0.768	791,000.00	1	0.791	-	-	-	791,000.00	1	0.791
1.5) CNIC Workboat Medium	A		1,194K	7	8.355	837,000.00	2	1.674	862,000.00	2	1.724	888,000.00	2	1.776	-	-	-	888,000.00	2	1.776
1.6) CNIC Workboat Large	A		1,441K	2	2.882	1,484K	1	1.484	1,529K	2	3.058	-	-	-	-	-	-	-	-	-
1.7) CNIC Utility Boats	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.8) NAVFAC Pusher Boats	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.9) Combo ASD Tug Trainer	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) H0001 - Base Operating Forces			-	-	71.597	-	-	7.673	-	-	6.310	-	-	9.022	-	-	-	-	-	9.022
2) H0002 - Amphibious Assault Ships																				
2.1) 11M (36FT) Rigid Inflatable Boat (RIB)	A		2,221K	4	8.885	585,000.00	2	1.170	593,000.00	6	3.558	600,000.00	3	1.800	-	-	-	600,000.00	3	1.800
Subtotal: 2) H0002 - Amphibious Assault Ships			-	-	8.885	-	-	1.170	-	-	3.558	-	-	1.800	-	-	-	-	-	1.800
3) H0003 - Explosive Ordnance Forces																				
3.1) EOD Support Craft (RIB)	A		559,625.00	16	8.954	-	-	-	-	-	-	264,000.00	9	2.376	-	-	-	264,000.00	9	2.376
3.2) SPAWAR 11M EOD TYPE RIB	A		1,800K	2	3.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) H0003 - Explosive Ordnance Forces			-	-	12.554	-	-	-	-	-	-	-	-	2.376	-	-	-	-	-	2.376
4) H0004 - Naval Special Warfare																				
4.1) NSW Long Range Support Craft	A		1,258K	4	5.032	300,000.00	4	1.200	-	-	-	-	-	-	-	-	-	-	-	-
4.2) NSW Short Range Support Craft	A		1,046K	6	6.278	299,000.00	6	1.794	-	-	-	-	-	-	-	-	-	-	-	-
4.3) E-VBSS	A		-	-	-	-	-	-	975,000.00	3	2.925	1,003K	6	6.018	-	-	-	1,003K	6	6.018
Subtotal: 4) H0004 - Naval Special Warfare			-	-	11.310	-	-	2.994	-	-	2.925	-	-	6.018	-	-	-	-	-	6.018
5) H0005 - Riverine Activities																				

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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 / 01 / 12									P-1 Line Item Number / Title: 1210 / Standard Boats							Aggregated Items Title: Standard Boats					
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)	
5.1) Riverine Multi-Mission Craft	A		4,366K	10	43.661	1,275K	1	1.275	-	-	-	-	-	-	-	-	-	-	-	-	
5.2) MK VI Patrol Boat	A		6,300K	2	12.600	6,489K	1	6.489	5,562K	1	5.562	-	-	-	-	-	-	-	-	-	
Subtotal: 5) H0005 - Riverine Activities			-	-	56.261	-	-	7.764	-	-	5.562	-	-	-	-	-	-	-	-	-	
6) H0006 - Support Forces																					
6.1) 7M (24FT) Rigid Inflatable Boat (RIB)	A		815,187.50	16	13.043	185,000.00	16	2.960	188,000.00	24	4.512	193,000.00	19	3.667	-	-	-	193,000.00	19	3.667	
Subtotal: 6) H0006 - Support Forces			-	-	13.043	-	-	2.960	-	-	4.512	-	-	3.667	-	-	-	-	-	3.667	
7) H0007 - Fleet Logistics Support																					
7.1) 7M (24FT) Rigid Inflatable Boat (RIB)	A		815,250.00	4	3.261	185,000.00	4	0.740	188,000.00	4	0.752	193,000.00	4	0.772	-	-	-	193,000.00	4	0.772	
Subtotal: 7) H0007 - Fleet Logistics Support			-	-	3.261	-	-	0.740	-	-	0.752	-	-	0.772	-	-	-	-	-	0.772	
8) H0008 - Naval Coastal Warfare																					
8.1) Reserve Patrol Boat Small	A		-	-	0.681	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8.2) Reserve Patrol Boat Large	A		1,663K	1	1.663	995,000.00	1	0.995	1,022K	1	1.022	1,051K	1	1.051	-	-	-	1,051K	1	1.051	
Subtotal: 8) H0008 - Naval Coastal Warfare			-	-	2.344	-	-	0.995	-	-	1.022	-	-	1.051	-	-	-	-	-	1.051	
9) H0009 - Warfare Integration																					
9.1) Dive Boat Replacement	A		-	-	-	1,814K	2	3.629	-	-	-	1,890K	1	1.890	-	-	-	1,890K	1	1.890	
Subtotal: 9) H0009 - Warfare Integration			-	-	0.000	-	-	3.629	-	-	-	-	-	1.890	-	-	-	-	-	1.890	
10) H0010 - Pollution Control Equipment																					
10.1) Oilboom Platform	A		-	-	-	-	-	-	178,000.00	2	0.356	183,000.00	2	0.366	-	-	-	183,000.00	2	0.366	
10.2) Utility Boats	A		-	-	-	-	-	-	127,000.00	5	0.635	130,000.00	5	0.650	-	-	-	130,000.00	5	0.650	
10.3) Rapid Response Skimmer	A		-	-	-	-	-	-	380,000.00	6	2.280	389,000.00	6	2.334	-	-	-	389,000.00	6	2.334	
Subtotal: 10) H0010 - Pollution Control Equipment			-	-	0.000	-	-	-	-	-	3.271	-	-	3.350	-	-	-	-	-	3.350	
11) H0830 - Production Engineering																					
11.1) Production Engineering	A		-	-	5.392	-	-	0.528	-	-	0.291	-	-	0.389	-	-	-	-	-	0.389	
11.2) Production Engineering (Naval Coastal Warfare)	A		-	-	0.220	-	-	0.060	-	-	0.059	-	-	0.052	-	-	-	-	-	0.052	

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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 / 01 / 12									P-1 Line Item Number / Title: 1210 / Standard Boats						Aggregated Items Title: Standard Boats					
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)
Subtotal: 11) H0830 - Production Engineering			-	-	5.612	-	-	0.588	-	-	0.350	-	-	0.441	-	-	-	-	-	0.441
12) H0900 - Consulting Services																				
12.1) Consulting Services	A		-	-	4.581	-	-	0.451	-	-	0.392	-	-	0.372	-	-	-	-	-	0.372
12.2) Consulting Services (Naval Coastal Warfare)	A		-	-	0.193	-	-	0.049	-	-	0.022	-	-	0.025	-	-	-	-	-	0.025
Subtotal: 12) H0900 - Consulting Services			-	-	4.774	-	-	0.500	-	-	0.414	-	-	0.397	-	-	-	-	-	0.397
13) H0CA5 - Dive Boats																				
13.1) Dive Boats	A		2,259K	3	6.777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 13) H0CA5 - Dive Boats			-	-	6.777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14) H0CA6 - Range Supprt Craft																				
14.1) Range Support Craft	A		18,362K	2	36.723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 14) H0CA6 - Range Supprt Craft			-	-	36.723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15) H0CAB - Force Protection Boat (Small)																				
15.1) Force Protection Boat (Small)	A		-	-	2.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15.2) Small Escort Vessels (33')	A		-	-	9.979	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 15) H0CAB - Force Protection Boat (Small)			-	-	11.979	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16) H0G86 - OCO																				
16.1) OCO - Patrol Boat (Large) (Reserve)	A		651,000.00	2	1.302	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16.2) OCO - RIBS	A		500,000.00	2	1.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16.3) OCO - 7M EOD RIBs (Reserve)	A		234,000.00	6	1.404	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16.4) OCO - Force Protection - Coastal (Reserve)	A		4,000K	5	20.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 16) H0G86 - OCO			-	-	23.706	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17) SSPBV																				
17.1) Blocking Vessels	A		-	-	-	-	-	-	-	-	-	24,750K	4	99.000	-	-	-	24,750K	4	99.000
Subtotal: 17) SSPBV			-	-	0.000	-	-	-	-	-	-	-	-	99.000	-	-	-	-	-	99.000

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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 / 01 / 12						P-1 Line Item Number / Title: 1210 / Standard Boats						Aggregated Items Title: Standard Boats								
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)
Total			-	-	268.826	-	-	29.013	-	-	28.676	-	-	129.784	-	-	-	-	-	129.784

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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 01: Ships Support Equipment / BSA 13: Training Equipment						P-1 Line Item Number / Title: 1320 / Other Ships Training 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 [#]	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>)	96.560	30.591	36.145	17.152	-	17.152	28.376	29.066	26.908	27.457	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	96.560	30.591	36.145	17.152	-	17.152	28.376	29.066	26.908	27.457	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	96.560	30.591	36.145	17.152	-	17.152	28.376	29.066	26.908	27.457	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>)	-	-	0.443	0.195	-	0.195	0.155	0.160	0.248	0.130	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: The equipment procured under the Other Ships Training Equipment line supports Hull, Mechanical, and Electrical (HM&E) and Combat Systems training requirements.												
[P40A / (H5265) SURFACE SUSTAINING TTE]: Funds procure Hull Mechanical & Electrical (HM&E) and Combat System technical training equipment (TTE) identified by the Naval Education & Training Command (NETC) for the training activities. Provides equipment to augment existing TTE due to increased student throughput; replaces equipment beyond economical repair and procures new equipment.												
[P40A / (H5374) LCS SEAFRAME SIMULATORS TRAINING]: Procure of LCS Trainers for the respective LCS homeports and the Surface Warfare Officer School (SWOS), Newport, R.I. "Trainers" are needed to meet the Train to Qualify Key Performance Parameter (KPP) requirement of the Capabilities Development Document. Funding is for procurements of hardware and software associated with building the trainers, and installation of this hardware and software at the LCS Training Facilities in each homeport and at SWOS. Trainers are required for each ship type, with initial procurements for the San Diego homeport and SWOS, followed by procurements for the Mayport homeport within the FYDP. Throughput of LCS crews requires more than one simulator of each type in a homeport.												
LCS Part Task Trainers - Devices that permit selected aspects of a task (Bridge, Combat Systems, Network, Mission Packages) to be practiced independently of other elements of the task, and independently of the ITTs to most efficiently address Train to Qualify (T2Q) and Train to Certify (T2C) objectives while managing student throughput.												
LCS Virtual Ship Training System - Comprehensive network infrastructure and computing environment, including Virtual Reality Labs (VRLs), within the LCS Training Facilities to support delivery and management of all components of LCS Training.												
LCS Mission Bay Trainers - Enable the qualification, training, and team certification of the individuals and teams working in the Mission Bay, to include prepping and launching/recovering of mission module off-hull remote vehicles, and operating of the cranes, doors, and other associated equipment in the Mission Bay. Includes full-scale replicas of the Mission Bay for both variants.												
LCS Tactical Trainers - LCS FREEDOM & LCS INDEPENDENCE variants, San Diego & Mayport: Full scale simulations and/or stimulations of Tactical Software enabling integrated team training of Bridge, Combat Systems, Engineering, and Mission Package systems/watchstations.												
[P40A / (H5276) SUBSURFACE SUSTAINING TTE]: Funds procure Subsurface HM&E Fleet and Team Trainer Technical Training Equipment (TTE), Training Enhancement Changes (TECs), support equipment, and various upgrades to simulators / stimulators, such as the Submarine Bridge Trainer (SBT) and the Submarine Ship Control Operator Trainer (SCOT), identified by the Submarine Learning Center (SLC)												

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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 01: Ships Support Equipment / BSA 13: Training Equipment	P-1 Line Item Number / Title: 1320 / Other Ships Training Equipment

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

and approved by Chief of Naval Operations (CNO), for use at the submarine training activities. This TTE/Training Unique Equipment (TUE), sustains a better quality of training and replaces equipment beyond economical repair or procures new equipment.

Fleet Interactive Display Equipment (FIDE) trainers are provided for nuclear power plant training. FIDEs support multiple ship classes and FIDE configurations at 9 different geographic sites, each requiring different levels of installation work; thus the cost for the program varies widely from year to year depending on the combination of these factors.
Virginia (VA) Class trainers are procured for the 2nd and 3rd home ports and for configuration updates to existing trainers.

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)
Other Ships Training Equipment	P-40a		-	-	96.560	-	-	30.591	-	-	36.145	-	-	17.152	-	-	-	-	-	17.152
Total Gross/Weapon System Cost			-	-	96.560	-	-	30.591	-	-	36.145	-	-	17.152	-	-	-	-	-	17.152

*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.

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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 / 01 / 13						P-1 Line Item Number / Title: 1320 / Other Ships Training Equipment									Aggregated Items Title: Other Ships Training 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 (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	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) (H5265) SURFACE SUSTAINING TTE																				
1.1) SURFACE SUSTAINING TTE	A		-	-	9.674	-	-	0.624	-	-	0.696	-	-	0.705	-	-	-	-	-	0.705
Subtotal: 1) (H5265) SURFACE SUSTAINING TTE			-	-	9.674	-	-	0.624	-	-	0.696	-	-	0.705	-	-	-	-	-	0.705
2) (H5374) LCS SEAFRAME SIMULATORS TRAINING																				
2.1) LCS PART TASK TRAINERS	A		-	-	-	-	-	-	-	-	-	-	-	2.000	-	-	-	-	-	2.000
2.2) LCS VIRTUAL SHIP TRAINING SYSTEM	A		-	-	-	-	-	-	-	-	-	-	-	3.000	-	-	-	-	-	3.000
2.3) LCS MISSION BAY TRAINERS	A		-	-	-	-	-	17.300	-	-	8.000	-	-	-	-	-	-	-	-	-
2.4) LCS TACTICAL TRAINERS	A		-	-	20.391	-	-	4.920	-	-	18.726	-	-	4.630	-	-	-	-	-	4.630
Subtotal: 2) (H5374) LCS SEAFRAME SIMULATORS TRAINING			-	-	20.391	-	-	22.220	-	-	26.726	-	-	9.630	-	-	-	-	-	9.630
3) (H5276) SUBSURFACE SUSTAINING TTE																				
3.1) FIDE CVN	A		-	-	12.304	-	-	0.969	-	-	1.724	-	-	3.490	-	-	-	-	-	3.490
3.2) FIDE SUB	A		-	-	15.909	-	-	5.367	-	-	5.160	-	-	1.929	-	-	-	-	-	1.929
3.3) SUSTAINING TTE	A		-	-	35.252	-	-	0.350	-	-	0.447	-	-	0.374	-	-	-	-	-	0.374
3.4) SCOT	A		-	-	3.030	-	-	1.061	-	-	1.392	-	-	1.024	-	-	-	-	-	1.024
Subtotal: 3) (H5276) SUBSURFACE SUSTAINING TTE			-	-	66.495	-	-	7.747	-	-	8.723	-	-	6.817	-	-	-	-	-	6.817
Total			-	-	96.560	-	-	30.591	-	-	36.145	-	-	17.152	-	-	-	-	-	17.152

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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 01: Ships Support Equipment / BSA 14: Production Facilities Equipment							P-1 Line Item Number / Title: 1445 / Operating Forces IPE					
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>)	362.927	86.404	46.868	39.409	-	39.409	84.243	78.694	69.981	71.377	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	362.927	86.404	46.868	39.409	-	39.409	84.243	78.694	69.981	71.377	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	362.927	86.404	46.868	39.409	-	39.409	84.243	78.694	69.981	71.377	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>)	-	-	-	-	-	-	-	-	-	-	-	-
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:												
[P40A / KN100: INDUSTRIAL PLANT EQUIPMENT (IPE) REPLACEMENT/AFLOAT SUPPORT]: These funds are used to procure industrial plant equipment for afloat (surface combatant) activities which provide maintenance capabilities for Sailors to maintain Ship's mission essential, operational readiness while deployed. The upgraded IPE increases deployed maintenance capability and enhances strike group's ability to remain on station through Casualty Report (CASREP) avoidance. The program provides new industrial plant equipment to replace equipment beyond economical repair and to upgrade capabilities for ship maintenance and repair.												
[P40A / KN200: ELECTRONIC TECHNICAL WORK DOCUMENT (ETWD)]: This funding will support the Electronic Technical Work Document (ETWD) initiative. This innovative project will ultimately provide the capacity for real-time electronic access to work documents at the deckplate while ship maintenance is performed. ETWD will provide the ability to immediately and efficiently validate data, check problem resolution, job progress and work certification. This program will benefit the planning, execution, tracking and certification process when a ship requires maintenance and repair.												
[P40A / KN300: SHIPYARD CAPITAL INVESTMENT PROGRAM (CIP)]: This line item provides funding for the Shipyard Capital Investment Program in support of the consolidated Naval Shipyard and Intermediate Maintenance Facilities (IMF) at the four mission funded Naval Shipyards. Funds will be used for the procurement and execution of Class 3 & 4 plant and personal property projects to maintain, modernize and improve the infrastructure and industrial base at the mission funded Naval Shipyard/IMF activities. Funding will allow for the acquisition of equipment and OP,N related Automated Data Processing (ADP) Hardware/Software necessary to perform the mission of repairing, conversion, and modernization of fleet ships and submarines in the most economical, efficient, environmentally sound and safe manner possible.												
[P40A / KN400: SHIP MAINTENANCE INVESTMENT PROGRAM]: This line item provides funding to support capital investments for the Regional Maintenance Centers (RMCs) and Trident Refit Facility (TRF) Kings Bay (KB). Funds will be used for the procurement and execution of personal property projects (including Industrial Plant Equipment (IPE), IT HW/SW, portal/bridge cranes, MILCON collateral equipment, etc.) of a capital nature (greater then \$250K) to maintain and modernize the ship maintenance industrial base, with a focus on reducing total ownership costs. These personal property projects are required for the RMCs and TRF KB to perform their mission of repairing, conversion, and modernization of fleet ships and submarines.												
[P40A / KN502: NAVY SUBMARINE SUPPORT TO NAVBASE GUAM]: Fund OPN Industrial Plant Equipment (IPE) procurements supporting MILCON P566, NAVBASE Guam Emergent Repair Facility (ERF) Expansion.												

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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 01: Ships Support Equipment / BSA 14: Production Facilities Equipment												P-1 Line Item Number / Title: 1445 / Operating Forces IPE							
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:								Other Related Program Elements:					
[P40A / KN503: NAVAL HISTORY AND HERITAGE COMMAND]: USS CONSTITUTION requires drydocking in FY15. This funding purchases a crane with lifting capacity of 110 tons, main boom range of 210 feet in support of ship overhaul at Det Boston.																			
[P40A / KN504: Commander, U.S. Pacific Fleet (PACFLT)]: These funds are used by PACFLT to procure investment items required to maintain and modernize the Fleet's ship maintenance industrial base with a focus on reducing total ownership costs.																			
[P40A / Load Bank System, X-51]: Tests capability of ships onboard generators.																			
[P40A / Link 16 System, C-190]: Evaluates capability of ships Link16 data communication system.																			
[P40A / Milling Machine, X51]: Machines materials in precise shapes and sizes.																			
[P40A / Heat and Vacuum System, X-51]: Drys parts and equipment quickly and effectively under heat and vacuum.																			
[P40A / Lathe, X-31]: Shapes various work piece by programmed CNC (Computer Numerical Control).																			
[P40A / KN600: REGIONAL MAINTENANCE AUTOMATED INFORMATION SYSTEMS (RMAIS)]: Funding provides support for the RMAIS initiative. RMAIS is the sole provider of automated electronic brokering of ship maintenance actions among maintenance activities and provides visibility of maintenance/repair workload and status necessary to support sound maintenance management decisions locally, on a regional basis, and at the national level. RMAIS provides the Regional Maintenance Center with the capability to efficiently manage all maintenance and repair resources. Funds will be used to procure computer hardware and software needed to refresh aging systems and keep security requirements current.																			
[P40A / KN700: DISTANCE SUPPORT]: These funds support the Anchor Desk (Integrated Call Center), Customer Relations Management (CRM) solutions, implementation and standardization of various tele-assistance/telemaintenance tools, collaborative infrastructure support and metrics/data mining.																			
[P40A / KN800: INTEGRATED CONDITION ASSESSMENT SYSTEM (ICAS) NEW INSTALL]: Funding procures all new installations of the Integrated Condition Assessment System (ICAS) hardware and software aboard Surface Fleet hulls. New Installation include: ICAS workstation hardware (including Palm Pilot Portable Data Terminal (PDTs)), latest version of ICAS system software, Configuration Data Set (CDS) (including the implementation of developed enhancements), firewall (if applicable), remote monitoring utility (RMU), ILS and ship's force training. Manage contractor efforts, prepare installation plans, perform ship checks, procure material, oversee shipboard installation and Quality Assurance (QA), develop/implement CDS, install/test all software and CDSs, provide ship's force training.																			
[P40A / KN900: INTEGRATED CONDITION AWSSESSMENT SYSTEM (ICAS) TECH REFRESH]: Funding procures all technical refresh upgrades of the Integrated Condition Assessment System (ICAS) hardware and software aboard Surface Fleet hulls. Upgrades will include: ICAS workstation hardware (including Palm Pilot Portable Data Terminal (PDTs)), latest version of ICAS system software, Configuration Data Set (CDS) groom (including the implementation of developed enhancements) and ship's force refresher training. Manage contractor efforts, prepare installation plans, perform ship checks, procure material, oversee shipboard installation and Quality Assurance (QA), develop/implement CDS updates, install/test all software and CDSs, provide ship's force training.																			

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)
Operating Forces IPE	P-40a		-	-	362.927	-	-	86.404	-	-	46.868	-	-	39.409	-	-	-	-	-	39.409

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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 01: Ships Support Equipment / BSA 14: Production Facilities Equipment										P-1 Line Item Number / Title: 1445 / Operating Forces IPE											
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:									
Exhibits Schedule				Prior Years			FY 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)	
Total Gross/Weapon System Cost			-	-	362.927	-	-	86.404	-	-	46.868	-	-	39.409	-	-	-	-	-	39.409	
*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.																					

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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 / 01 / 14						P-1 Line Item Number / Title: 1445 / Operating Forces IPE								Aggregated Items Title: Operating Forces IPE						
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) KN100: INDUSTRIAL PLANT EQUIPMENT (IPE) REPLACEMENT/AFLOAT SUPPORT																				
1.1) AFLOAT IPE SUPPORT (BFIMA UPGRADE) - SURFACE SUPPORT	A		-	-	1.571	-	-	0.286	-	-	0.299	-	-	0.295	-	-	-	-	-	0.295
Subtotal: 1) KN100: INDUSTRIAL PLANT EQUIPMENT (IPE) REPLACEMENT/AFLOAT SUPPORT			-	-	1.571	-	-	0.286	-	-	0.299	-	-	0.295	-	-	-	-	-	0.295
2) KN200: ELECTRONIC TECHNICAL WORK DOCUMENT (ETWD)																				
2.1) ELECTRONIC TECHNICAL WORK DOCUMENT (ETWD) SUPPORT	A		-	-	0.392	-	-	1.685	-	-	2.768	-	-	-	-	-	-	-	-	-
Subtotal: 2) KN200: ELECTRONIC TECHNICAL WORK DOCUMENT (ETWD)			-	-	0.392	-	-	1.685	-	-	2.768	-	-	-	-	-	-	-	-	-
3) KN300: SHIPYARD CAPITAL INVESTMENT PROGRAM (CIP)																				
3.1) SHIPYARD CAPITAL INVESTMENT PROGRAM (CIP)	A		-	-	348.608	-	-	71.540	-	-	31.876	-	-	25.073	-	-	-	-	-	25.073
Subtotal: 3) KN300: SHIPYARD CAPITAL INVESTMENT PROGRAM (CIP)			-	-	348.608	-	-	71.540	-	-	31.876	-	-	25.073	-	-	-	-	-	25.073
4) KN400: SHIP MAINTENANCE INVESTMENT PROGRAM																				
4.1) SHIP MAINTENANCE INVESTMENT PROGRAM	A		-	-	-	-	-	5.590	-	-	2.400	-	-	3.608	-	-	-	-	-	3.608
Subtotal: 4) KN400: SHIP MAINTENANCE INVESTMENT PROGRAM			-	-	0.000	-	-	5.590	-	-	2.400	-	-	3.608	-	-	-	-	-	3.608
5) KN502: NAVY SUBMARINE SUPPORT TO NAVBASE GUAM																				
5.1) NAVY SUBMARINE SUPPORT TO NAVBASE GUAM	A		-	-	-	-	-	-	-	-	4.500	-	-	-	-	-	-	-	-	-
Subtotal: 5) KN502: NAVY SUBMARINE SUPPORT TO NAVBASE GUAM			-	-	0.000	-	-	-	-	-	4.500	-	-	-	-	-	-	-	-	-
6) KN503: NAVAL HISTORY AND HERITAGE COMMAND																				

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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 / 01 / 14						P-1 Line Item Number / Title: 1445 / Operating Forces IPE										Aggregated Items Title: Operating Forces IPE				
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)
6.1) USS CONSTITUTION Mobile Crane	A		-	-	-	-	-	-	-	-	0.800	-	-	-	-	-	-	-	-	-
<i>Subtotal: 6) KN503: NAVAL HISTORY AND HERITAGE COMMAND</i>			-	-	0.000	-	-	-	-	-	0.800	-	-	-	-	-	-	-	-	-
7) KN504: Commander, U.S. Pacific Fleet (PACFLT)																				
7.1) Load Bank System, X-51	A		-	-	-	-	-	-	-	-	-	1,785K	1	1.785	-	-	-	1,785K	1	1.785
7.2) Link 16 System, C-190	A		-	-	-	-	-	-	-	-	-	1,598K	1	1.598	-	-	-	1,598K	1	1.598
7.3) A-47 Gantry Cranes (C700) ⁽¹⁾	A		-	-	-	-	-	-	-	-	-	784,000.00	2	1.568	-	-	-	784,000.00	2	1.568
7.4) Milling Machine, X51	A		-	-	-	-	-	-	-	-	-	535,000.00	1	0.535	-	-	-	535,000.00	1	0.535
7.5) Heat and Vacuum System, X-51	A		-	-	-	-	-	-	-	-	-	814,000.00	1	0.814	-	-	-	814,000.00	1	0.814
7.6) Lathe, X-31	A		-	-	-	-	-	-	-	-	-	599,000.00	1	0.599	-	-	-	599,000.00	1	0.599
7.7) Environmental Welding Chamber	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.8) 440V Emergency Generator & Fuel Tank for Dry Docks	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.9) CNC Plasma Cutting Machine	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.10) Rolling Platform Boat Repair Winch	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.11) CNC Lathe	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.12) Boring, Drilling and Milling (BDM) Machine	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.13) Metal Gear Shaper	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.14) Propeller Shaft Lathe	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.15) Horizontal Boring Machine, X-31	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.16) Vertical Slotting Machine	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.17) High Pressure Aire Compressor, C950	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.18) DD # 5 & 6 Vertical Reciprocating Conveyor	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 / 01 / 14						P-1 Line Item Number / Title: 1445 / Operating Forces IPE										Aggregated Items Title: Operating Forces IPE				
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)
7.19) Abrasive Blast and Recovery System, X-71	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.20) Dehumidifier / Dust Collecting System	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.21) 60 Ton Portal Crane #1 for Berth 5 Upgrade	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 7) KN504: Commander, U.S. Pacific Fleet (PACFLT)</i>			-	-	0.000	-	-	-	-	-	-	-	-	6.899	-	-	-	-	-	6.899
8) KN600: REGIONAL MAINTENANCE AUTOMATED INFORMATION SYSTEMS (RMAIS)																				
8.1) REGIONAL MAINTENANCE AIS	A		-	-	3.468	-	-	0.332	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 8) KN600: REGIONAL MAINTENANCE AUTOMATED INFORMATION SYSTEMS (RMAIS)</i>			-	-	3.468	-	-	0.332	-	-	-	-	-	-	-	-	-	-	-	-
9) KN700: DISTANCE SUPPORT																				
9.1) DISTANCE SUPPORT	A		-	-	3.898	-	-	0.935	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 9) KN700: DISTANCE SUPPORT</i>			-	-	3.898	-	-	0.935	-	-	-	-	-	-	-	-	-	-	-	-
10) KN800: INTEGRATED CONDITION ASSESSMENT SYSTEM (ICAS) NEW INSTALL																				
10.1) INTEGRATED CONDITION ASSESSMENT SYSTEM (ICAS)	A		-	-	-	-	-	3.387	-	-	2.064	-	-	2.161	-	-	-	-	-	2.161
<i>Subtotal: 10) KN800: INTEGRATED CONDITION ASSESSMENT SYSTEM (ICAS) NEW INSTALL</i>			-	-	0.000	-	-	3.387	-	-	2.064	-	-	2.161	-	-	-	-	-	2.161
11) KN900: INTEGRATED CONDITION AWSSESSMENT SYSTEM (ICAS) TECH REFRESH																				
11.1) INTEGRATED CONDITION ASSESSMENT SYSTEM (ICAS)	A		-	-	4.990	-	-	2.649	-	-	2.161	-	-	1.373	-	-	-	-	-	1.373
<i>Subtotal: 11) KN900: INTEGRATED CONDITION AWSSESSMENT SYSTEM (ICAS) TECH REFRESH</i>			-	-	4.990	-	-	2.649	-	-	2.161	-	-	1.373	-	-	-	-	-	1.373

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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 / 01 / 14								P-1 Line Item Number / Title: 1445 / Operating Forces IPE							Aggregated Items Title: Operating Forces IPE				

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)
Total			-	-	362.927	-	-	86.404	-	-	46.868	-	-	39.409	-	-	-	-	-	39.409

Footnotes:
(1) Conveys iron plates.

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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 01: Ships Support Equipment / BSA 15: Other Ship Support	P-1 Line Item Number / Title: 1480 / Nuclear Alterations

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>	260.371	141.755	106.328	118.129	-	118.129	131.849	134.231	117.003	84.207	-	1,093.873
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	260.371	141.755	106.328	118.129	-	118.129	131.849	134.231	117.003	84.207	-	1,093.873
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	260.371	141.755	106.328	118.129	-	118.129	131.849	134.231	117.003	84.207	-	1,093.873
<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:

The details of this program are classified CONFIDENTIAL and are submitted to Congress annually in the classified budget justification books.

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)
Nuclear Alterations	P-40a		-	-	260.371	-	-	141.755	-	-	106.328	-	-	118.129	-	-	-	-	-	118.129
Total Gross/Weapon System Cost			-	-	260.371	-	-	141.755	-	-	106.328	-	-	118.129	-	-	-	-	-	118.129

*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:

The details of this program are classified CONFIDENTIAL and are submitted to Congress annually in the classified budget justification books.

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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 / 01 / 15						P-1 Line Item Number / Title: 1480 / Nuclear Alterations									Aggregated Items Title: Nuclear Alterations					
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) New P40A Grouping																				
1.1) Nuclear Alterations	A		-	-	260.371	-	-	141.755	-	-	106.328	-	-	118.129	-	-	-	-	-	118.129
Subtotal: 1) New P40A Grouping			-	-	260.371	-	-	141.755	-	-	106.328	-	-	118.129	-	-	-	-	-	118.129
Total			-	-	260.371	-	-	141.755	-	-	106.328	-	-	118.129	-	-	-	-	-	118.129

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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 01: Ships Support Equipment / BSA 15: Other Ship Support							P-1 Line Item Number / Title: 1600 / LCS Common Mission Modules Equipment					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements:				
Line Item MDAP/MAIS Code: 374		Item MDAP/MAIS Code(s):										
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>)	288.996	25.087	35.966	37.413	-	37.413	24.518	20.139	25.015	19.281	711.791	1,188.206
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	288.996	25.087	35.966	37.413	-	37.413	24.518	20.139	25.015	19.281	711.791	1,188.206
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	288.996	25.087	35.966	37.413	-	37.413	24.518	20.139	25.015	19.281	711.791	1,188.206
<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>)	-	0.161	6.634	1.875	-	1.875	0.495	0.060	0.160	0.070	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: Littoral Combat Ship (LCS) focused mission packages provide the operational commander with capabilities to perform littoral mine countermeasures (MCM) operations, a detect-to-engage capability to counter small boat threats, and a detect-to-engage capability to counter enemy submarines. A mission package (MP) is a combination of warfare mission modules (MM) with specialized crew, support equipment, and vehicles, including embarked manned helicopters and unmanned maritime systems. They are packaged in a modular fashion so that they can be quickly swapped in and out pier side on any LCS platform. The program has an inventory objective of 24 MCM mission packages, 24 surface warfare (SUW) mission packages, and 16 anti-submarine warfare (ASW) mission packages. Mission package procurement and delivery are aligned with the ship delivery schedule, mission area demand signal from the combatant commanders, and the retirement of legacy platforms. This means that 64 interchangeable mission packages will be available for use among the two seaframe variants of the LCS class to support global warfighting and peacetime presence requirements. The LCS MMs program has developed two principal Seaframe-installed components to facilitate MP operation, the Mission Package Computing Environment (MPCE) and the Data Mission Payload. Additionally, each MP uses tailored Support Containers (SCs) whose designs are based upon an International Organization for Standardization (ISO) compliant base container. The initial SUW, MCM, and ASW MPs utilize the common equipment, infrastructure, and services to the maximum extent possible. Future MMs and MPs will utilize the common infrastructure and services as well. The base container is built to print with adjustable interior rails that can be reconfigured for a variety of applications. Other Related Budgets: BLIs: OPN 1601, OPN 1602, OPN 1603, OPN 1605, OPN 4248, OPN 2622, OPN 2624, WPN 4221, WPN 4225, RDT&E 0603596N [P40A / LM005 - OBSOLESCENCE MISSION MODULE ECPs]: Supports Engineering Change Proposals (ECPs) for the obsolete systems in the MCM and SUW mission packages. ECPs are required to add the RT-1944/U Multiband Radio to LCS 1-2 and to replace existing radios (which have been de-certified for operational use) in the MCM mission package including all Remote Multi-Mission Vehicle (RMMV) and Unmanned Surface Vehicles (USVs). Navy will be completing MCM and SUW Developmental Testing (DT) in FY12 and Operational Testing (OT) in FY13. ECPs are required to retrofit MCM Mission Package #1 RMMV (two vehicles) to the Multiple Vehicle Communications System (MVCS) common communications system. [P40A / LM006 - LCS MISSION MODULES RADIO]: Communications terminal equipment to provide communications capability for LCS Mission Modules from off-board vehicles to the seaframe. Includes installation and checkout on-board the seaframe.												

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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 01: Ships Support Equipment / BSA 15: Other Ship Support		P-1 Line Item Number / Title: 1600 / LCS Common Mission Modules Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : A		Program Elements for Code B Items:	Other Related Program Elements:
Line Item MDAP/MAIS Code: 374	Item MDAP/MAIS Code(s):		
[P40A / LM007 - C-HAWKLINK SUPPORT EQUIPMENT]: The C-Hawklink Support Equipment consists of a C-Band to Ku-Band radio conversion equipment set to enable the SH-60B and MH-60R helicopters interoperability with LCS Seaframe and Mission Modules via the Ku-Band Tactical Control Data Link.			
[P40A / LM008 - MPCE]: Commercial Off The Shelf (COTS)- Based Common Computing environment will support legacy Mission Package (MP) Command & Control (C2) applications and transition to Modular Open Systems Approach (MOSA) & Navy Open Architecture Computing Environment (OACE). It also provides a common computing environment to support the execution of Mission Package Application Software (MPAS), the shipboard tactical software associated with each mission package that enables execution of its focused mission. Includes installation and checkout on-board the seaframe.			
[P40A / LM009 - DATA MISSION PAYLOAD]: Provides the capability to extend the communications range of the LCS mission module vehicles over the horizon. It provides the LCS mission modules and seaframe with a network-centric capability that may be installed on air and surface vehicles supporting multiple sensors operating in the maritime environment.			
[P40A / LM010 - MISSION PACKAGE INTEGRATION]: The system engineering partner from industry is responsible for assembling each mission package, via the consolidation of the requisite modules, and ensuring that all integration and interface requirements are met.			
[P40A / LM012 - TRAINING EQUIPMENT]: Procurement of training systems for the LCS Mission Module detachment training at the San Diego LCS Training Facility (LTF), future LTF sites and other formal training locations. Systems include: Common Mission Package Trainer (CMPT) tactical team trainer Technical Training Equipment (TTE) consisting of tactical processing hardware capable of hosting tactical Mission Package Application Software (MPAS) with scenario generator, visualization and SIM/STIM capable of integrating with ship type Combat Management System trainers and Navy Cooperative Training Environment to perform Joint Synthetic Training; Mission Package Training System (MPTS) Part Task Trainer (PTT) Training Device (TD) consisting of COTS hardware and emulation of tactical environment for training specific watch station tasks (MCM: Remote Minehunting System (RMS) Operator and RMS Sensor Operator; SUW: Gun Console Operator; ASW: TBD) in preparation for training in team environment using CMPT; the MK-50 Gun Weapon System (GWS) TTE consisting of elements necessary to make the MK-46 GWS integrate into LCS weapons zones; the Post Mission Analysis TD consisting of COTS hardware hosting Post Mission Analysis (PMA), PMA scenario, and Learning Management System (LMS) software capable of initial training and proficiency training for off hull Sailors; and the Mission Bay Trainer, which includes various elements of Mission Package hardware found in Mission Bay and Weapons zones to train in individual skills and team skills with larger LCS team in the LTF Mission Bay Trainer. These elements include Support Container TTE, RMS PTT TD, AQS-20 PTT TD, Airborne Laser Mines Detection System (ALMDS) PTT TD, Airborne Mine Neutralization System (AMNS) AMNS PTT TD, inmanned Influence Sweep System (UISS) PTT TD, KNIFEFISH PTT TD, MHU TTE, MK50 GWS PTT TTE and MK50 GWS PTT TD. This equipment provides the training platform to train Mission Package sailors in individual and team skills associated with mission planning, execution and post mission analysis necessary to achieve the Train to Certify (T2C) Key Performance Parameter (KPP).			
[P40A / LM015 - CONTAINERS (SHIPPING & SUPPORT)]: Each MP variant uses a base Support Container (SC) which is an ISO compliant shipping container, and comes in two variants: Type I and Type II. The Type I container is a 20-foot ISO container with nominal dimensions of 20' x 8' x 8'. The Type II container is a 10-foot ISO container with nominal dimensions of 10' x 8' x 8'. In both cases the base SC is constructed of high strength steel to reduce the overall weight and features a number of standard configuration items. Mission systems fit inside standard ten- or twenty-foot ISO SCs, or on ISO compliant flat racks and vehicle cradles. The LCS MP zones inside each seaframe mission bay are configured to accommodate the SCs.			
[P40A / LM016 - MVCS]: The Multiple Vehicle Communications System (MVCS) provides the Littoral Combat Ship (LCS) Mission Modules with the capability to simultaneously communicate with multiple Unmanned Surface Vehicles (USVs) and surfaced Unmanned Underwater Vehicles (UUVs) by providing common data link and network communication services. These services include link establishment, link management, communications fail-safes, Emissions Control (EMCON) handling, data routing and protection, packet shaping, Priority of Service (PoS), and automated communications system configuration. MVCS establishes a common interface for these services in the form of hardware and message definitions to maximize the usefulness of limited radio equipment onboard the LCS seaframe.			
[P40A / LM900 - CONSULTING SERVICES]: Provides program management support, engineering and technical support, studies, analysis and evaluation on mission package systems.			

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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 01: Ships Support Equipment / BSA 15: Other Ship Support												P-1 Line Item Number / Title: 1600 / LCS Common Mission Modules Equipment									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:									
Line Item MDAP/MAIS Code: 374				Item MDAP/MAIS Code(s):																	
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)	
LCS MISSION MODULES	P-40a		-	-	288.996	-	-	25.087	-	-	35.966	-	-	37.413	-	-	-	-	-	37.413	
Total Gross/Weapon System Cost			-	-	288.996	-	-	25.087	-	-	35.966	-	-	37.413	-	-	-	-	-	37.413	
*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.																					

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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 / 01 / 15						P-1 Line Item Number / Title: 1600 / LCS Common Mission Modules Equipment										Aggregated Items Title: LCS MISSION MODULES					
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) LM001 - MCM Mission Package																					
1.1) USV	A		-	-	1.675	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2) USV - SWEEP	A		-	-	2.410	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.3) USV CRADLE	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.4) RMMV	A		-	-	15.571	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.5) RMMV CRADLE	A		7,604K	2	15.208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.6) OASIS	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.7) AMNS	A		7,595K	1	7.595	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.8) ALMDS	A		19,867K	1	19.867	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.9) AN/AQS-20A	A		-	-	39.099	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.10) COBRA	A		-	-	7.792	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.11) CABLE REWIND ASSEMBLY	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.12) MCM SUPPORT CONTAINERS	A		1,510K	15	22.654	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.13) SUPPORT EQUIPMENT	A		-	-	11.064	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.14) PRODUCTION ENGINEERING SUPPORT	A		-	-	8.360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.15) MCM INCREMENTAL WHOLENESS - AQS-20A	A		-	-	5.773	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1) LM001 - MCM Mission Package			-	-	157.068	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2) LM002 - ASW MISSION PACKAGE																					
2.1) ASW MISSION PACKAGE	A		-	-	17.498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2) LM002 - ASW MISSION PACKAGE			-	-	17.498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3) LM003 - SUW MISSION PACKAGE																					
3.1) GUN MODULE	A		12,618K	2	25.237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.2) SUW SHIPPING CONTAINER	A		144,833.33	6	0.869	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.3) SUW SUPPORT CONTAINER	A		980,250.00	4	3.921	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.4) SURFACE-TO-SURFACE MISSILE MODULE	A		-	-	2.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.5) PRODUCTION ENGINEERING	A		-	-	2.013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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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 / 01 / 15								P-1 Line Item Number / Title: 1600 / LCS Common Mission Modules Equipment								Aggregated Items Title: LCS MISSION MODULES					
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)	
Subtotal: 3) LM003 - SUW MISSION PACKAGE			-	-	34.440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4) LM005 - OBSOLESCENCE MISSION MODULE ECPs																					
4.1) ENGINEERING CHANGE PROPOSALS	A		-	-	18.988	-	-	1.419	-	-	1.500	-	-	1.200	-	-	-	-	-	1.200	
Subtotal: 4) LM005 - OBSOLESCENCE MISSION MODULE ECPs			-	-	18.988	-	-	1.419	-	-	1.500	-	-	1.200	-	-	-	-	-	1.200	
5) LM006 - LCS MISSION MODULES RADIO																					
5.1) LCS MISSION MODULES RADIO	A		1,684K	4	6.738	1,386K	2	2.772	1,403K	2	2.806	-	-	-	-	-	-	-	-	-	
5.2) PRODUCTION ENGINEERING	A		-	-	0.789	-	-	0.306	-	-	0.341	-	-	-	-	-	-	-	-	-	
Subtotal: 5) LM006 - LCS MISSION MODULES RADIO			-	-	7.527	-	-	3.078	-	-	3.147	-	-	-	-	-	-	-	-	-	
6) LM007 - C-HAWKLINK SUPPORT EQUIPMENT																					
6.1) C-HAWKLINK SUPPORT EQUIPMENT	A		-	-	5.885	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 6) LM007 - C-HAWKLINK SUPPORT EQUIPMENT			-	-	5.885	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7) LM008 - MPCE																					
7.1) MPCE	A		1,138K	2	2.276	779,500.00	4	3.118	766,000.00	4	3.064	1,037K	4	4.148	-	-	-	1,037K	4	4.148	
7.2) MPCE Replacement/Attrition/ Tech Refresh	A		-	-	-	-	-	-	-	-	-	726,333.33	3	2.179	-	-	-	726,333.33	3	2.179	
7.3) PRODUCTION ENGINEERING	A		-	-	0.285	-	-	0.168	-	-	0.127	-	-	0.292	-	-	-	-	-	0.292	
Subtotal: 7) LM008 - MPCE			-	-	2.561	-	-	3.286	-	-	3.191	-	-	6.619	-	-	-	-	-	6.619	
8) LM009 - DATA MISSION PAYLOAD																					
8.1) DATA MISSION PAYLOAD	A		5,214K	1	5.214	-	-	-	5,568K	1	5.568	-	-	-	-	-	-	-	-	-	
8.2) PRODUCTION ENGINEERING	A		-	-	0.951	-	-	-	-	-	0.687	-	-	-	-	-	-	-	-	-	
Subtotal: 8) LM009 - DATA MISSION PAYLOAD			-	-	6.165	-	-	-	-	-	6.255	-	-	-	-	-	-	-	-	-	
9) LM010 - MISSION PACKAGE INTEGRATION																					
9.1) MISSION PACKAGE PRODUCTION	A		-	-	4.523	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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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 / 01 / 15								P-1 Line Item Number / Title: 1600 / LCS Common Mission Modules Equipment								Aggregated Items Title: LCS MISSION MODULES				
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)
ENGINEERING & ASSEMBLY																				
<i>Subtotal: 9) LM010 - MISSION PACKAGE INTEGRATION</i>			-	-	4.523	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10) LM012 - TRAINING EQUIPMENT																				
10.1) COMMON MISSION PACKAGE TRAINER (CMPT)	A		-	-	1.720	-	-	1.770	-	-	-	3,343K	1	3.343	-	-	-	3,343K	1	3.343
10.2) Mission Package Training Equipment Replacement/Attrition/Tech Refresh	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.3) MISSION PACKAGE TRAINING SYSTEM (MPTS)	A		-	-	-	-	-	0.450	-	-	-	-	-	0.543	-	-	-	-	-	0.543
10.4) MK-50 GUN WEAPON SYSTEM TTE	A		-	-	2.469	-	-	0.380	-	-	-	-	-	6.010	-	-	-	-	-	6.010
10.5) MISSION BAY TRAINER	A		-	-	4.604	-	-	-	-	-	7.700	-	-	1.673	-	-	-	-	-	1.673
<i>Subtotal: 10) LM012 - TRAINING EQUIPMENT</i>			-	-	8.793	-	-	2.600	-	-	7.700	-	-	11.569	-	-	-	-	-	11.569
11) LM013 - MARITIME SECURITY MODULE																				
11.1) MARITIME SECURITY MODULE	A		3,850K	4	15.402	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11.2) PRODUCTION ENGINEERING	A		-	-	1.279	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 11) LM013 - MARITIME SECURITY MODULE</i>			-	-	16.681	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12) LM015 - CONTAINERS (SHIPPING & SUPPORT)																				
12.1) MCM SUPPORT CONTAINER	A		-	-	-	1,082K	7	7.575	863,500.00	8	6.908	892,750.00	8	7.142	-	-	-	892,750.00	8	7.142
12.2) SUW SUPPORT CONTAINER	A		-	-	-	410,250.00	8	3.282	417,250.00	8	3.338	660,375.00	8	5.283	-	-	-	660,375.00	8	5.283
12.3) SUW SHIPPING CONTAINER	A		-	-	-	147,250.00	12	1.767	149,750.00	12	1.797	210,500.00	12	2.526	-	-	-	210,500.00	12	2.526
12.4) PRODUCTION ENGINEERING	A		-	-	-	-	-	1.091	-	-	1.155	-	-	1.395	-	-	-	-	-	1.395
12.5) MCM Support Containers Replacement/Attrition/Tech Refresh	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 / 01 / 15						P-1 Line Item Number / Title: 1600 / LCS Common Mission Modules Equipment									Aggregated Items Title: LCS MISSION MODULES					
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)
Subtotal: 12) LM015 - CONTAINERS (SHIPPING & SUPPORT)			-	-	0.000	-	-	13.715	-	-	13.198	-	-	16.346	-	-	-	-	-	16.346
13) LM016 - MVCS																				
13.1) MVCS Replacement/Attrition/ Tech Refresh	A		-	-	-	-	-	-	-	-	-	272,500.00	4	1.090	-	-	-	272,500.00	4	1.090
13.2) Production Engineering	A		-	-	-	-	-	-	-	-	-	-	-	0.066	-	-	-	-	-	0.066
Subtotal: 13) LM016 - MVCS			-	-	0.000	-	-	-	-	-	-	-	-	1.156	-	-	-	-	-	1.156
14) LM900 - CONSULTING SERVICES																				
14.1) CONSULTING SERVICES	A		-	-	8.867	-	-	0.989	-	-	0.975	-	-	0.523	-	-	-	-	-	0.523
Subtotal: 14) LM900 - CONSULTING SERVICES			-	-	8.867	-	-	0.989	-	-	0.975	-	-	0.523	-	-	-	-	-	0.523
Total			-	-	288.996	-	-	25.087	-	-	35.966	-	-	37.413	-	-	-	-	-	37.413

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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 01: Ships Support Equipment / BSA 15: Other Ship Support							P-1 Line Item Number / Title: 1601 / LCS MCM Mission Modules					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements:				
Line Item MDAP/MAIS Code: 000			Item MDAP/MAIS Code(s):									
Resource Summary	Prior Years	FY 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>)	0.000	31.829	34.885	15.270	-	15.270	211.821	158.536	146.157	151.464	1,135.745	1,885.707
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	31.829	34.885	15.270	-	15.270	211.821	158.536	146.157	151.464	1,135.745	1,885.707
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	31.829	34.885	15.270	-	15.270	211.821	158.536	146.157	151.464	1,135.745	1,885.707
<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>)	-	-	-	6.000	-	6.000	17.800	9.900	2.845	0.600	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: The LCS Mine Countermeasures (MCM) mission package will counter bottom, deep, shallow, surface, near surface, and tethered mines in the littoral without putting Sailors in the minefield. When the MCM mission package is embarked, LCS is capable of conducting detect-to-engage operations (hunting, sweeping, and neutralization) against shallow and deep-water sea mine threats. The MCM mission package provides these capabilities through the use of sensors and weapons deployed from an embarked MH-60S multi-mission helicopter and unmanned off-board vehicles. The embarked MH-60S employs the Organic Airborne Mine Countermeasures Module to provide rapid minehunting and clearing using helicopter deployed systems. Additionally, an influence minesweeping capability can be deployed from the unmanned surface vehicle. Future increments will add the Coastal Mine Reconnaissance Module (CMRM) to allow detection of minefield patterns and obstacles from an embarked Fire Scout Vertical Takeoff and Landing Tactical Unmanned Aerial Vehicle (VTUAV), a surface influence sweep capability for high-speed influence minesweeping, and the Surface Mine Countermeasures Unmanned Undersea Vehicle (SMCM/UUV) to detect buried mines. When complete, the MCM mission package will provide full capability against floating, tethered, bottom, and buried mines. Two MCM mission packages (RDTE prior years) have been delivered and a third (OPN prior year) is in production. Other Related Budgets: BLIs: OPN 1600, OPN 1602, OPN 1603, OPN 1605, OPN 4248, OPN 2622, OPN 2624, WPN 4221, WPN 4225, RDT&E 0603596N Prior to FY13, MCM mission module systems were funded under OPN BLI 1600. Beginning in FY15, Remote Minehunting System (RMS) is funded under OPN BLI 1605. OPN Quantities are: Prior Years: MCM = 3 FY 2013: MCM = 1 FY 2014: MCM = part of 1 FY 2015: MCM = part of 1 FY 2016: MCM = 3 FY 2017: MCM = 2 FY 2018: MCM = 2 FY 2019: MCM = 2												

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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 01: Ships Support Equipment / BSA 15: Other Ship Support											P-1 Line Item Number / Title: 1601 / LCS MCM Mission Modules									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:								
Line Item MDAP/MAIS Code: 000						Item MDAP/MAIS Code(s):														
RDT&E Quantities are: Prior Years: MCM = 2 The MCM package consists of the following systems: Coastal Battlefield Reconnaissance & Analysis (COBRA), Airborne Laser Mine Detection System (ALMDS), Remote Multi-Mission Vehicle (RMMV), AQS-20A Minehunting Sonar, Airborne Mine Neutralization System (AMNS), Unmanned Surface Vehicle (USV) with Unmanned Surface Sweep System (USSS), Surface Mine Countermeasures (SMCM) Unmanned Undersea Vehicle (UUV) with Low Frequency Broad Band (LFBB) and Support Containers. The individual systems are combined into five modules: Influence Mine Sweep Module, Remote Mine Hunting Module, Organic Airborne Mine Countermeasures (OAMCM) Module, Coastal Mine Reconnaissance Module, and Unmanned Undersea Module. [P5 / MC001 - INFLUENCE MINE SWEEP]: The Influence Mine Sweep Module provides an unmanned surface, long endurance bottom sweep capability to clear large areas of mines that may remain after mine-hunting operations are complete. [P5 / MC003 - ORGANIC AIRBORNE MINE COUNTERMEASURES (OAMCM)]: The OAMCM Module provides the long-range, airborne capability to conduct mine hunting and clearing operations in littorals zones, confined straits, choke points, and the Amphibious Objective Area (AOA) quickly. [P5 / MC004 - COASTAL MINE RECONNAISSANCE MODULE]: The Coastal Mine Reconnaissance Module will detect mines in the surface zone and beach zone areas, providing the Joint Force Commander with the information needed to clear mines with non-LCS assets and allow military forces to safely and effectively storm the beaches. [P5 / MC005 - UNMANNED UNDERSEA MODULE]: The Unmanned Undersea Module provides capability to detect and identify buried mines and mines in a cluttered ocean bottom environment. [P5 / MC006 - MCM SUPPORT EQUIPMENT]: Support equipment related to the individual modules. [P5 / MC007 - MCM WHOLENESS SYSTEMS]: MCM Incremental Wholeness procures the individual mission systems required to bring previously acquired mission packages up to the incremental acquisition baseline. [P5 / MC900 - CONSULTING SERVICES]: Provides program management support, engineering and technical support, studies, analysis and evaluation on mission module systems.																				
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 / LCS MCM Mission Packages	P-5		-	-	0.000	-	-	31.829	-	-	34.885	-	-	15.270	-	-	-	-	-	15.270
Total Gross/Weapon System Cost			-	-	0.000	-	-	31.829	-	-	34.885	-	-	15.270	-	-	-	-	-	15.270
*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.																				

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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 01: Ships Support Equipment / BSA 15: Other Ship Support		P-1 Line Item Number / Title: 1601 / LCS MCM Mission Modules
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
Line Item MDAP/MAIS Code: 000	Item MDAP/MAIS Code(s):	

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014							
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 15							P-1 Line Item Number / Title: 1601 / LCS MCM Mission Modules							Item Number / Title [DODIC]: 1 / LCS MCM Mission Packages							
Resource Summary					Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO [#]			FY 2015 Total	
Procurement Quantity <i>(Units in Each)</i>					-			-			-			-			-			-	
Gross/Weapon System Cost <i>(\$ in Millions)</i>					0.000			31.829			34.885			15.270			-			15.270	
Less PY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-	
Net Procurement (P1) <i>(\$ in Millions)</i>					0.000			31.829			34.885			15.270			-			15.270	
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-	
Total Obligation Authority <i>(\$ in Millions)</i>					0.000			31.829			34.885			15.270			-			15.270	
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares <i>(\$ in Millions)</i>					-			-			-			6.000			-			6.000	
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 - MC001 - INFLUENCE MINE SWEEP Cost																					
Recurring Cost																					
1.1.1) USV		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.1.2) USV - SWEEP		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.1.3) USV - CRADLE		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: Hardware - MC001 - INFLUENCE MINE SWEEP Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Hardware - MC003 - ORGANIC AIRBORNE MINE COUNTERMEASURES (OAMCM) Cost																					
Recurring Cost																					
2.1.1) AMNS		-	-	-	2,800K	1	2.800	3,000K	1	3.000	-	-	-	-	-	-	-	-	-		
2.1.2) ALMDS		-	-	-	7,819K	1	7.819	7,951K	1	7.951	-	-	-	-	-	-	-	-	-		
2.1.3) AN/AQS-20A		-	-	-	7,900K	1	7.900	8,098K	1	8.098	-	-	-	-	-	-	-	-	-		
2.1.4) CABLE REWIND ASSEMBLY		-	-	-	-	-	-	879,000.00	1	0.879	-	-	-	-	-	-	-	-	-		
Subtotal: Recurring Cost		-	-	-	-	-	18.519	-	-	19.928	-	-	-	-	-	-	-	-	-		
Subtotal: Hardware - MC003 - ORGANIC AIRBORNE MINE COUNTERMEASURES (OAMCM) Cost		-	-	-	-	-	18.519	-	-	19.928	-	-	-	-	-	-	-	-	-		
Hardware - MC004 - COASTAL MINE RECONNAISSANCE MODULE Cost																					
Recurring Cost																					
3.1.1) COBRA		-	-	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 / 01 / 15							P-1 Line Item Number / Title: 1601 / LCS MCM Mission Modules						Item Number / Title [DODIC]: 1 / LCS MCM Mission Packages						
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 - MC004 - COASTAL MINE RECONNAISSANCE MODULE Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - MC005 - UNMANNED UNDERSEA MODULE Cost																			
Recurring Cost																			
4.1.1) SMCM UUV/ FLBB		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - MC005 - UNMANNED UNDERSEA MODULE Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - MC006 - MCM SUPPORT EQUIPMENT Cost																			
Recurring Cost																			
5.1.1) SUPPORT EQUIPMENT		-	-	-	-	-	0.737	-	-	2.558	-	-	3.137	-	-	-	-	-	3.137
Subtotal: Recurring Cost		-	-	-	-	-	0.737	-	-	2.558	-	-	3.137	-	-	-	-	-	3.137
Subtotal: Hardware - MC006 - MCM SUPPORT EQUIPMENT Cost		-	-	-	-	-	0.737	-	-	2.558	-	-	3.137	-	-	-	-	-	3.137
Hardware - MC007 - MCM WHOLENESS SYSTEMS Cost																			
Recurring Cost																			
6.1.1) MCM INCREMENTAL WHOLENESS - AMNS		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.2) MCM INCREMENTAL WHOLENESS - ALMDS		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.3) MCM INCREMENTAL WHOLENESS - AQS-20A		-	-	-	7,900K	1	7.900	8,098K	1	8.098	8,244K	1	8.244	-	-	-	8,244K	1	8.244
Subtotal: Recurring Cost		-	-	-	-	-	7.900	-	-	8.098	-	-	8.244	-	-	-	-	-	8.244
Subtotal: Hardware - MC007 - MCM WHOLENESS SYSTEMS Cost		-	-	-	-	-	7.900	-	-	8.098	-	-	8.244	-	-	-	-	-	8.244
Support - MC900 - CONSULTING SERVICES Cost																			
7.1) CONSULTING SERVICES		-	-	-	-	-	1.105	-	-	-	-	-	0.763	-	-	-	-	-	0.763
Subtotal: Support - MC900 - CONSULTING SERVICES Cost		-	-	-	-	-	1.105	-	-	-	-	-	0.763	-	-	-	-	-	0.763

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 15							P-1 Line Item Number / Title: 1601 / LCS MCM Mission Modules							Item Number / Title [DODIC]: 1 / LCS MCM Mission Packages					
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 ENGINEERING Cost																			
8.1) MC001 - UNMANNED INFLUENCE MINE SWEEP		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) MC003 - ORGANIC AIRBORNE MINE COUNTERMEASURES (OAMCM)		-	-	-	-	-	2.946	-	-	3.684	-	-	2.436	-	-	-	-	-	2.436
8.3) MC004 - COASTAL MINE RECONNAISSANCE MODULE		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.4) MC005 - UNMANNED UNDERSEA MODULE		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.5) MC006 - MCM SUPPORT EQUIPMENT		-	-	-	-	-	0.622	-	-	0.617	-	-	0.690	-	-	-	-	-	0.690
Subtotal: Support - PRODUCTION ENGINEERING Cost		-	-	-	-	-	3.568	-	-	4.301	-	-	3.126	-	-	-	-	-	3.126
Gross/Weapon System Cost		-	-	0.000	-	-	31.829	-	-	34.885	-	-	15.270	-	-	-	-	-	15.270

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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 01: Ships Support Equipment / BSA 15: Other Ship Support							P-1 Line Item Number / Title: 1602 / LCS ASW Mission Modules					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements:				
Line Item MDAP/MAIS Code: 000			Item MDAP/MAIS Code(s):									
Resource Summary	Prior Years	FY 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>)	0.000	-	-	2.729	-	2.729	30.108	47.852	48.562	48.831	243.860	421.942
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	2.729	-	2.729	30.108	47.852	48.562	48.831	243.860	421.942
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	2.729	-	2.729	30.108	47.852	48.562	48.831	243.860	421.942
<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: The anti-submarine warfare (ASW) mission package enables the Littoral Combat Ship (LCS) to conduct detect-to-engage operations against modern submarines that pose a threat. Specific ASW capabilities include protecting forces in transit, protecting joint operating areas, and establishing ASW barriers. ASW Modules are developed to provide the warfighter capabilities that can be employed for ASW area search as well as high value unit escort missions. Module components include a torpedo countermeasures system, a Variable Depth Sonar (VDS) and a Multi-Function Towed Array (MFTA). The Aviation Module provides airborne threat localization and engagement capability through a Fire Scout Vertical Takeoff and Landing Tactical Unmanned Aerial Vehicle (VTUAV) and an MH-60R helicopter with MK54 torpedoes. Other Related Budgets: BLIs: OPN 1600, OPN 1601, OPN 1603, OPN 1605, OPN 4248, OPN 2622, OPN 2624, WPN 4221, WPN 4225, RDT&E 0603596N [P5 / (AS001) - ASW Escort Module]: The ASW Escort Mission Module (MM) contains the sensors and signal processing required to detect, classify and localize submarine threats. The Escort MM consists of two towed sensors; a VDS active source and an MFTA passive/bi-static active receiver; launch, handling and recovery equipment for the towed sensors, and AN/SQQ-89 V(15) active and passive signal processing applications. [P5 / (AS002) - Torpedo Defense Countermeasure Module]: The Light Weight Tow (LWT) system is a towed persistent torpedo countermeasure optimized for use in littoral conditions. LWT is a standalone autonomous system capable of defeating threat torpedoes through soft-kill to independently increase LCS Platform Probability of Survival. [P5 / (AS005) - ASW Mission Package Containers]: The foundation of each ASW Support Container (SC) is an International Organization for Standardization (ISO) compliant shipping container. The ISO shipping containers are outfitted with Unistrut rails (for shelving and drawer attachments), lighting (standard/emergency), fire/smoke alarms, service panels for power, and a circuit breaker box. From this base container configuration, a variety of racks, cradles, and handling gear can be installed as needed to form a SC. [P5 / (AS006) - ASW Mission Package Ship Alterations]: Funds the modifications to the current LCS Seaframe designs to accommodate the ASW Increment II mission package configuration. A total of 22 seaframes will require modification. [P5 / (AS900) - Consulting Services]: Provides program management support, engineering and technical support, studies, analysis and evaluation on mission module systems.												

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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 01: Ships Support Equipment / BSA 15: Other Ship Support												P-1 Line Item Number / Title: 1602 / LCS ASW Mission Modules									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:									
Line Item MDAP/MAIS Code: 000				Item MDAP/MAIS Code(s):																	
Exhibits Schedule			Prior Years			FY 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 / LCS ASW Mission Modules	P-5		-	-	0.000	-	-	-	-	-	-	-	-	2.729	-	-	-	-	-	2.729	
Total Gross/Weapon System Cost			-	-	0.000	-	-	-	-	-	-	-	-	2.729	-	-	-	-	-	2.729	
*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.																					

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 15							P-1 Line Item Number / Title: 1602 / LCS ASW Mission Modules							Item Number / Title [DODIC]: 1 / LCS ASW Mission Modules					
Resource Summary					Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO [#]		FY 2015 Total				
Procurement Quantity <i>(Units in Each)</i>					-		-		-		-		-		-				
Gross/Weapon System Cost <i>(\$ in Millions)</i>					0.000		-		-		2.729		-		2.729				
Less PY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>					0.000		-		-		2.729		-		2.729				
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>					0.000		-		-		2.729		-		2.729				
(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 - (AS001) - ASW Escort Module Cost																			
Recurring Cost																			
1.1.1) Variable Depth Sonar		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.1.2) Multi Function Towed Array		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.1.3) Production Engineering		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Hardware - (AS001) - ASW Escort Module Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hardware - (AS002) - Torpedo Defense Countermeasure Module Cost																			
Recurring Cost																			
2.1.1) Light Weight Tow		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.1.2) Production Engineering		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Hardware - (AS002) - Torpedo Defense Countermeasure Module Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hardware - (AS005) - ASW Mission Package Containers Cost																			
Recurring Cost																			
3.1.1) ASW Containers		-	-	-	-	-	-	-	-	-	-	-	2.707	-	-	-	-	2.707	

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Exhibit P-5, Cost Analysis: PB 2015 Navy															Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 15								P-1 Line Item Number / Title: 1602 / LCS ASW Mission Modules							Item Number / Title [DODIC]: 1 / LCS ASW Mission Modules				
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)
3.1.2) Production Engineering		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	2.707	-	-	-	-	-	2.707
<i>Subtotal: Hardware - (AS005) - ASW Mission Package Containers Cost</i>		-	-	-	-	-	-	-	-	-	-	-	2.707	-	-	-	-	-	2.707
Hardware - (AS006) - ASW Mission Package Ship Alterations Cost																			
Recurring Cost																			
4.1.1) ASW Mission Package Ship Alterations		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (AS006) - ASW Mission Package Ship Alterations Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - (AS900) - Consulting Services Cost																			
5.1) Consulting Services		-	-	-	-	-	-	-	-	-	-	-	0.022	-	-	-	-	-	0.022
<i>Subtotal: Support - (AS900) - Consulting Services Cost</i>		-	-	-	-	-	-	-	-	-	-	-	0.022	-	-	-	-	-	0.022
Gross/Weapon System Cost		-	-	0.000	-	-	-	-	-	-	-	-	2.729	-	-	-	-	-	2.729

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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 01: Ships Support Equipment / BSA 15: Other Ship Support							P-1 Line Item Number / Title: 1603 / LCS SUW Mission Modules					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements:				
Line Item MDAP/MAIS Code: 000			Item MDAP/MAIS Code(s):									
Resource Summary	Prior Years	FY 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>)	0.000	30.301	19.481	44.208	-	44.208	39.231	45.907	66.591	70.779	310.441	626.939
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	30.301	19.481	44.208	-	44.208	39.231	45.907	66.591	70.779	310.441	626.939
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	30.301	19.481	44.208	-	44.208	39.231	45.907	66.591	70.779	310.441	626.939
<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>)	-	0.252	-	3.750	-	3.750	-	-	2.150	1.800	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: The Surface Warfare (SUW) mission package increases firepower and offensive/defensive capabilities against large numbers of highly maneuverable, fast, small craft threats, giving LCS the ability to protect the sea lanes and move a force quickly through a choke point or other strategic waterway. With the SUW mission package embarked, LCS has enhanced detection and engagement capability against enemy small craft and similar littoral surface threats. The SUW mission package is comprised of two high velocity 30mm cannons to augment the ship's 57mm gun, and embarked support aircraft (the MH-60R helicopter with Hellfire missile and the MQ-8B Fire Scout Vertical Take-off and Landing Tactical Unmanned Aerial Vehicle (VTUAV)) for the detection, identification, and classification of surface contacts. Four SUW mission packages have been delivered to the fleet and one more is in production. Future SUW mission package increments include the addition of the Maritime Security Module to support the embarkation of Visit, Board, Search, and Seizure (VBSS) teams; and a Surface-to-Surface Missile Module (SSMM) to provide in-close and eventually an over-the-horizon engagement capability against surface threats. Other Related Budgets: BLIs: OPN 1600, OPN 1601, OPN 1602, OPN 1605, OPN 4248, OPN 2622, OPN 2624, WPN 4221, WPN 4225, RDT&E 0603596N Prior to FY13, SUW mission module systems were funded under OPN BLI 1600. OPN Quantities are: Prior Years: SUW = 2 FY 2013: SUW = 2 FY 2014: SUW = 1 FY 2015: SUW = 2 FY 2016: SUW = 2 FY 2017: SUW = 2 FY 2018: SUW = 2 FY 2019: SUW = 2												

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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 01: Ships Support Equipment / BSA 15: Other Ship Support												P-1 Line Item Number / Title: 1603 / LCS SUW Mission Modules							

ID Code (A=Service Ready, B=Not Service Ready) : A										Program Elements for Code B Items:										Other Related Program Elements:									
Line Item MDAP/MAIS Code: 000										Item MDAP/MAIS Code(s):																			

RDT&E Quantities are:
Prior Years: SUW = 3

[P40A / SU001 - GUN MODULE]: The Gun mission module is comprised of two high velocity 30mm cannons to augment the ship's 57mm gun, and embarked support aircraft (the MH-60R helicopter with Hellfire missile and the MQ-8B Fire Scout Vertical Take-off and Landing Tactical Unmanned Aerial Vehicle (VTUAV)) for the detection, identification, and classification of surface contacts. FY15 includes funding to upgrade EDM units to production capability.

[P40A / SU002 - SURFACE-TO-SURFACE MISSILE MODULE (SSMM)]: The Surface-to-Surface Missile Module (SSMM) will provide in-close and eventually an over-the-horizon engagement capability against surface threats.

[P40A / SU003 - MARITIME SECURITY MODULE]: The Maritime Security Module (MSM) provides the LCS seaframe with the capability to conduct Level II Visit, Board, Search and Seizure (VBSS) operations and the ability to conduct anti-piracy and maritime interdiction missions. This budget line procures hardware for a full MSM that includes two 11 meter Rigid Hull Inflatable Boats (RHIB), two boat cradles, a VBSS Allowance Equipment List (AEL) for communications and tactical equipment, and berthing and habitability support containers. Includes production, assembly, and installation and checkout of all mission system components.

[P40A / SU900 - CONSULTING SERVICES]: Provides program management support, engineering and technical support, studies, analysis and evaluation on mission module systems.

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)
LCS SUW Mission Packages	P-40a		-	-	0.000	-	-	30.301	-	-	19.481	-	-	44.208	-	-	-	-	-	44.208
Total Gross/Weapon System Cost			-	-	0.000	-	-	30.301	-	-	19.481	-	-	44.208	-	-	-	-	-	44.208

*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.

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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 / 01 / 15						P-1 Line Item Number / Title: 1603 / LCS SUW Mission Modules								Aggregated Items Title: LCS SUW Mission Packages						
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) SU001 - GUN MODULE																				
1.1) GUN MODULE	A		-	-	-	6,525K	4	26.099	6,636K	2	13.271	8,289K	4	33.155	-	-	-	8,289K	4	33.155
1.2) PRODUCTION ENGINEERING SUPPORT	A		-	-	-	-	-	3.255	-	-	2.745	-	-	2.202	-	-	-	-	-	2.202
Subtotal: 1) SU001 - GUN MODULE			-	-	0.000	-	-	29.354	-	-	16.016	-	-	35.357	-	-	-	-	-	35.357
2) SU002 - SURFACE-TO-SURFACE MISSILE MODULE (SSMM)																				
2.1) SURFACE-TO-SURFACE MISSILE MODULE	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) PRODUCTION ENGINEERING SUPPORT	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) SU002 - SURFACE-TO-SURFACE MISSILE MODULE (SSMM)			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) SU003 - MARITIME SECURITY MODULE																				
3.1) MARITIME SECURITY MODULE	A		-	-	-	-	-	-	2,500K	1	2.500	3,974K	2	7.948	-	-	-	3,974K	2	7.948
3.2) PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	0.259	-	-	0.503	-	-	-	-	-	0.503
Subtotal: 3) SU003 - MARITIME SECURITY MODULE			-	-	0.000	-	-	-	-	-	2.759	-	-	8.451	-	-	-	-	-	8.451
4) SU900 - CONSULTING SERVICES																				
4.1) CONSULTING SERVICES	A		-	-	-	-	-	0.947	-	-	0.706	-	-	0.400	-	-	-	-	-	0.400
Subtotal: 4) SU900 - CONSULTING SERVICES			-	-	0.000	-	-	0.947	-	-	0.706	-	-	0.400	-	-	-	-	-	0.400
Total			-	-	0.000	-	-	30.301	-	-	19.481	-	-	44.208	-	-	-	-	-	44.208

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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 01: Ships Support Equipment / BSA 15: Other Ship Support							P-1 Line Item Number / Title: 1605 / Remote Minehunting System (RMS)					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements: 0603502N, 0603581N, 0603596N				
Line Item MDAP/MAIS Code: 286			Item MDAP/MAIS Code(s):									
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>)	0.000	-	-	42.276	-	42.276	70.976	67.471	67.708	68.343	-	316.774
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	42.276	-	42.276	70.976	67.471	67.708	68.343	-	316.774
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	42.276	-	42.276	70.976	67.471	67.708	68.343	-	316.774
<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: The AN/WLD-1(V)2 Remote Minehunting System (RMS) is a mine reconnaissance system designed for the detection, classification, identification, and localization of bottom and moored mines in shallow and deep water. The RMS will provide the Navy the capability to keep ships and sailors out of the minefield. The RMS is deployed from the Littoral Combat Ship (LCS) as part of the ships' Mine Countermeasure (MCM) Mission Package (MP). The RMS is a fully integrated system consisting of a semi-submersible Remote Multi-Mission Vehicle (RMMV) towing a variable depth sensor, the AN/AQS-20A. The RMMV is a high-endurance, semi-autonomous, low-observable, unmanned, diesel-powered vehicle, operated and maintained from the LCS. Line-of-sight (LOS) and over-the-horizon (OTH) data links provide real time vehicle command and control and mine reconnaissance sensor data transmission to/from LCS. Other Related Budgets: BLIs: OPN 1600, OPN 1601, OPN 1602, OPN 1603, OPN 4248, OPN 2622, OPN 2624, WPN 4221, WPN 4225, RDT&E 0603596N, 0603502N, 0603581N [P5 / Remote Multi-Mission Vehicle (RMMV)]: The RMMV is a high-endurance, semi-autonomous, low-observable, unmanned, diesel-powered vehicle, operated and maintained from the LCS. The RMMV Cradle Pallet provides the means to prelaunch and maintain the RMMV when stowed. [P5 / RM900 - CONSULTING SERVICES]: Provides program management support, engineering and technical support, studies, analysis and evaluation for the RMS program.												

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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 01: Ships Support Equipment / BSA 15: Other Ship Support												P-1 Line Item Number / Title: 1605 / Remote Minehunting System (RMS)									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements: 0603502N, 0603581N, 0603596N									
Line Item MDAP/MAIS Code: 286				Item MDAP/MAIS Code(s):																	
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 / Remote Minehunting System (RMS)	P-5		-	-	0.000	-	-	-	-	-	-	-	-	42.276	-	-	-	-	-	42.276	
Total Gross/Weapon System Cost			-	-	0.000	-	-	-	-	-	-	-	-	42.276	-	-	-	-	-	42.276	
*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: FY15 funds the baseline program. A new start RMMV Competitive (LRIP 2) contract will be awarded to procure the next LRIPs.																					

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Exhibit P-5, Cost Analysis: PB 2015 Navy													Date: March 2014							
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 15						P-1 Line Item Number / Title: 1605 / Remote Minehunting System (RMS)							Item Number / Title [DODIC]: 1 / Remote Minehunting System (RMS)							
Resource Summary					Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO [#]		FY 2015 Total					
Procurement Quantity <i>(Units in Each)</i>					-		-		-		-		-		-		-			
Gross/Weapon System Cost <i>(\$ in Millions)</i>					0.000		-		-		42.276		-		42.276					
Less PY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-					
Net Procurement (P1) <i>(\$ in Millions)</i>					0.000		-		-		42.276		-		42.276					
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-					
Total Obligation Authority <i>(\$ in Millions)</i>					0.000		-		-		42.276		-		42.276					
(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 - RM001 - REMOTE MINEHUNTING Cost																				
Recurring Cost																				
1.1.1) Remote Multi-Mission Vehicle (RMMV)			-	-	-	-	-	-	-	-	19,738K	2	39.476	-	-	-	19,738K	2	39.476	
1.1.2) RMMV Cradle Pallet			-	-	-	-	-	-	-	-	1,158K	2	2.315	-	-	-	1,158K	2	2.315	
Subtotal: Recurring Cost			-	-	-	-	-	-	-	-	-	-	41.791	-	-	-	-	-	41.791	
Subtotal: Hardware - RM001 - REMOTE MINEHUNTING Cost			-	-	-	-	-	-	-	-	-	-	41.791	-	-	-	-	-	41.791	
Support - RM002 - PRODUCTION ENGINEERING Cost																				
2.1) Production Engineering			-	-	-	-	-	-	-	-	-	-	0.485	-	-	-	-	-	0.485	
Subtotal: Support - RM002 - PRODUCTION ENGINEERING Cost			-	-	-	-	-	-	-	-	-	-	0.485	-	-	-	-	-	0.485	
Support - RM900 - CONSULTING SERVICES Cost																				
3.1) CONSULTING SERVICES			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Support - RM900 - CONSULTING SERVICES Cost			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost			-	-	0.000	-	-	-	-	-	-	-	42.276	-	-	-	-	-	42.276	
Remarks:																				

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Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 15	P-1 Line Item Number / Title: 1605 / Remote Minehunting System (RMS)	Item Number / Title [DODIC]: 1 / Remote Minehunting System (RMS)
[Hardware] The first Low Rate Initial Production (LRIP) units (LRIP 1) were used during the RMS Reliability Growth Program (RGP) and will be upgraded to the RMMV version v6.0 to support LCS integration and RMS IOC. Additionally, the development of RMMV version v6.0 will support integration of the RMMV into LCS MCM MP and testing in FY15.		

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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 01: Ships Support Equipment / BSA 16: Logistic Support							P-1 Line Item Number / Title: 1610 / LSD Midlife													
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>	541.904	39.512	66.620	-	-	-	2.783	11.800	22.580	27.500	13.602	726.301								
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-								
Net Procurement (P1) <i>(\$ in Millions)</i>	541.904	39.512	66.620	-	-	-	2.783	11.800	22.580	27.500	13.602	726.301								
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-								
Total Obligation Authority <i>(\$ in Millions)</i>	541.904	39.512	66.620	-	-	-	2.783	11.800	22.580	27.500	13.602	726.301								
<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 budget provides funding for the LSD Mid-life Program. The LSD Mid-life Program replaces obsolete/unsupported HM&E systems and implements Total Operating Cost (TOC) savings upgrades to maintain amphibious warfare capabilities through DECOM (2038). Primary objectives are to maintain or improve readiness, safety, reliability, lower maintenance costs, improve sailor quality of life, and/or sustain the LSD ship class through their notional service life or beyond. The budget purchases equipment including generators, Low Pressure Air Compressors (LPAC), Canned Lube Oil Pumps, A/C Plants and deck crane control systems. Equipment procured in FY 12 will be installed in FY 14. ST001 - The LSD Mid-life Program replaces obsolete/unsupported HM&E systems, and implements TOC savings upgrades to maintain amphibious warfare capabilities through DECOM (2038). These include items such as LPAC, Steering Control Systems (SCS), A/C-plants, Generators, Propulsion Load Management Units (PLMU), and Reverse Osmosis (RO) Desalinators.																				
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)
P-3a - 1 / ST001 - Propeller Blades & PLMU	P-3a		-	-	17.359	-	-	0.108	-	-	0.270	-	-	-	-	-	-	-	-	-
P-3a - 2 / ST001 - Steering Control System	P-3a		-	-	41.365	-	-	6.489	-	-	2.854	-	-	-	-	-	-	-	-	-
P-3a - 3 / ST001 - A/C Plant (LSD 44 -52)	P-3a		-	-	42.755	-	-	3.202	-	-	5.388	-	-	-	-	-	-	-	-	-

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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 01: Ships Support Equipment / BSA 16: Logistic Support										P-1 Line Item Number / Title: 1610 / LSD Midlife										
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:								
Exhibits Schedule			Prior Years			FY 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)
P-3a - 4 / ST001 - 30T Deck Crane Control Sys	P-3a		-	-	6.300	-	-	2.200	-	-	4.221	-	-	-	-	-	-	-	-	-
P-3a - 5 / ST001 - Low Pressure Air Compressor	P-3a		-	-	16.430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 6 / ST001 - RO & Generators	P-3a		-	-	403.915	-	-	26.683	-	-	50.766	-	-	-	-	-	-	-	-	-
P-3a - 7 / ST001 - Canned Lube Oil Pump	P-3a		-	-	13.780	-	-	0.830	-	-	1.144	-	-	-	-	-	-	-	-	-
P-3a - 8 / ST001 - Tech Refresh	P-3a		-	-	0.000	-	-	-	-	-	1.977	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	541.904	-	-	39.512	-	-	66.620	-	-	-	-	-	-	-	-	-
Exhibits Schedule			FY 2016			FY 2017			FY 2018			FY 2019			To Complete			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)
P-3a - 1 / ST001 - Propeller Blades & PLMU	P-3a		-	-	-	-	-	-	-	-	2.200	-	-	-	-	-	1.800	-	-	21.737
P-3a - 2 / ST001 - Steering Control System	P-3a		-	-	0.700	-	-	-	-	-	3.100	-	-	-	-	-	-	-	-	54.508
P-3a - 3 / ST001 - A/C Plant (LSD 44 -52)	P-3a		-	-	0.600	-	-	-	-	-	8.300	-	-	-	-	-	7.802	-	-	68.047
P-3a - 4 / ST001 - 30T Deck Crane Control Sys	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.000	-	-	16.721
P-3a - 5 / ST001 - Low Pressure Air Compressor	P-3a		-	-	0.800	-	-	-	-	-	1.130	-	-	-	-	-	-	-	-	18.360
P-3a - 6 / ST001 - RO & Generators	P-3a		-	-	0.683	-	-	11.800	-	-	5.130	-	-	27.500	-	-	-	-	-	526.477
P-3a - 7 / ST001 - Canned Lube Oil Pump	P-3a		-	-	-	-	-	-	-	-	2.150	-	-	-	-	-	-	-	-	17.904
P-3a - 8 / ST001 - Tech Refresh	P-3a		-	-	-	-	-	-	-	-	0.570	-	-	-	-	-	-	-	-	2.547
Total Gross/Weapon System Cost			-	-	2.783	-	-	11.800	-	-	22.580	-	-	27.500	-	-	13.602	-	-	726.301
*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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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16	P-1 Line Item Number / Title: 1610 / LSD Midlife	Modification Number / Title: 1 / ST001 - Propeller Blades & PLMU

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>)	17.359	0.108	0.270	-	-	-	-	-	2.200	-	1.800	21.737
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	17.359	0.108	0.270	-	-	-	-	-	2.200	-	1.800	21.737
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	17.359	0.108	0.270	-	-	-	-	-	2.200	-	1.800	21.737
(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:

This SHIPALT replaces the existing Propeller Blades with higher efficiency blades and installs Propulsion Load Management Units (PLMU) that result in fuel savings and engine maintenance reduction as well as operational benefits. The prototype for this SHIPALT was installed and proven aboard the LSD 44 under the DOD sponsored Commercial Operations and Support Savings Initiative (COSSI). Return On Investment (ROI) for the class is estimated at over \$40M (after payback) and operational benefits include increased top speed, quicker response/deceleration, and elimination of existing system performance problems (i.e., low lube-oil pressure trip of main engines). A Congressional Plus-up was provided to help bridge the gap between the COSSI funding and LSD Midlife Program funding. This Plus-up was used to procure/install this SHIPALT in LSD 41, 44 and 52. Only 8 LSDs will require this SHIPALT as part of the Midlife Program.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16				P-1 Line Item Number / Title: 1610 / LSD Midlife						Modification Number / Title: 1 / ST001 - Propeller Blades & PLMU			
Models of Systems Affected: Propeller Blades & PLMU				Modification Type: [No Modification Type Specified]				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	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
Procurement													
<i>Modification Item 1 of 1:</i> ST001 - Propeller Blades & PLMU													
B Kits													
Recurring													
1.1.1) FMP Ship Units - NonOrganic ⁽¹⁾	7 / 7.121	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.600	- / -	1 / 1.200	9 / 9.921	
1.1.2) End Item Spares - Organic	2 / 1.938	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.938	
<i>Subtotal: Recurring</i>	- / 9.059	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.600	- / -	- / 1.200	- / 11.859	
<i>Subtotal: ST001 - Propeller Blades & PLMU</i>	9 / 9.059	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.600	- / -	1 / 1.200	11 / 11.859	
<i>Subtotal: Procurement, All Modification Items</i>	- / 9.059	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.600	- / -	- / 1.200	- / 11.859	
Installation													
<i>Modification Item 1 of 1:</i> ST001 - Propeller Blades & PLMU	- / 8.300	- / 0.108	- / 0.270	- / -	- / -	- / -	- / -	- / -	- / 0.600	- / -	- / 0.600	- / 9.878	
<i>Subtotal: Installation</i>	- / 8.300	- / 0.108	- / 0.270	- / -	- / -	- / -	- / -	- / -	- / 0.600	- / -	- / 0.600	- / 9.878	
Total													
Total Cost (Procurement + Support + Installation)	17.359	0.108	0.270	-	-	-	-	-	2.200	-	1.800	21.737	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																													
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16										P-1 Line Item Number / Title: 1610 / LSD Midlife										Modification Number / Title: 1 / ST001 - Propeller Blades & PLMU																			
Modification Item 1 of 1: ST001 - Propeller Blades & PLMU																																							
Modification Item MDAP/MAIS Code:																																							
Manufacturer Information																																							
Manufacturer Name: Rolls Royce															Manufacturer Location: >Walpole, MA																								
Administrative Leadtime (in Months): 5															Production Leadtime (in Months): 13																								
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: FMP Ship Units																																							
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		6 / 8.300		- / 0.108		1 / 0.270		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		7 / 8.678													
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.600		- / -		- / -		- / -		1 / 0.600													
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.600		1 / 0.600		1 / 0.600													
Total		6 / 8.300		- / 0.108		1 / 0.270		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.600		- / -		1 / 0.600		9 / 9.878													
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	6	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	9								
Out	6	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	9								
Method of Implementation (Organic): Not Installed - End Item Spares																														Installation Quantity: 2									
Footnotes:																																							
⁽¹⁾ Propeller Blades must be installed in the first two months of the availability when ship is in drydock. Blades and PLMU required for 8 remaining ships. 3 ships were completed by Congressional plus-up funding in OPN BLI 0981 budget. Costs differ slightly between LSD 41 and LSD 49 class ships.																																							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16	P-1 Line Item Number / Title: 1610 / LSD Midlife	Modification Number / Title: 2 / ST001 - Steering Control System

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>)	41.365	6.489	2.854	-	-	-	0.700	-	3.100	-	-	54.508
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	41.365	6.489	2.854	-	-	-	0.700	-	3.100	-	-	54.508
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	41.365	6.489	2.854	-	-	-	0.700	-	3.100	-	-	54.508
<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:

This SHIPALT replaces the analog Helm and Lee Helm Steering Consoles and equipment with an electronic, computerized Steering Control System (SCS) that integrates various navigation parameters, such as location (latitude, longitude) from GPS as well as pitch, roll, speed, heading, and wind. SCS will be designed to integrate with Electronic Chart Display and Information Systems-Navy (ECDIS-N) digital nautical charts. The existing Bridge control system was designed in the late 1970s and is near the end of its useful service life. Parts obsolescence is a rapidly growing and more costly problem on this maintenance intensive control system. The IBS also provides significantly enhanced operational and monitoring capabilities as well as real-time Navigation data. This system will reduce workload, provide significant readiness improvement, improve safety and provide cost avoidance.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16				P-1 Line Item Number / Title: 1610 / LSD Midlife				Modification Number / Title: 2 / ST001 - Steering Control System					
Models of Systems Affected: Steering Control System				Modification Type: [No Modification Type Specified]				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: ST001 - Steering Control System													
B Kits													
Recurring													
1.1.1) FMP Ship Units - NonOrganic ⁽²⁾	10 / 8.967	1 / 0.615	- / -	- / -	- / -	- / -	1 / 0.700	- / -	- / -	- / -	- / -	12 / 10.282	
1.1.2) Non-FMP Shore Site Units - NonOrganic ⁽³⁾	2 / 1.433	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.433	
Subtotal: Recurring	- / 10.400	- / 0.615	- / -	- / -	- / -	- / -	- / 0.700	- / -	- / -	- / -	- / -	- / 11.715	
Subtotal: ST001 - Steering Control System	12 / 10.400	1 / 0.615	- / -	- / -	- / -	- / -	1 / 0.700	- / -	- / -	- / -	- / -	14 / 11.715	
Subtotal: Procurement, All Modification Items	- / 10.400	- / 0.615	- / -	- / -	- / -	- / -	- / 0.700	- / -	- / -	- / -	- / -	- / 11.715	
Installation													
Modification Item 1 of 1: ST001 - Steering Control System	- / 30.965	- / 5.874	- / 2.854	- / -	- / -	- / -	- / -	- / -	- / 3.100	- / -	- / -	- / 42.793	
Subtotal: Installation	- / 30.965	- / 5.874	- / 2.854	- / -	- / -	- / -	- / -	- / -	- / 3.100	- / -	- / -	- / 42.793	
Total													
Total Cost (Procurement + Support + Installation)	41.365	6.489	2.854	-	-	-	0.700	-	3.100	-	-	54.508	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16	P-1 Line Item Number / Title: 1610 / LSD Midlife	Modification Number / Title: 2 / ST001 - Steering Control System

Modification Item 1 of 1: ST001 - Steering Control System

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Henschel	Manufacturer Location: >Newburyport, MA
Administrative Leadtime (<i>in Months</i>): 4	Production Leadtime (<i>in Months</i>): 12

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Oct 2012						
Delivery Dates	Oct 2013						

Installation Information

Method of Implementation: SHIPYARD/AIT : Installation Name: FMP Ship Units

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	9 / 25.165	- / 1.786	1 / 1.427	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 28.378
FY 2013	0 / 1.000	- / 1.786	1 / 1.427	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.213
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.100	- / -	- / -	1 / 3.100
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	9 / 26.165	- / 3.572	2 / 2.854	- / -	- / -	- / -	- / -	- / -	1 / 3.100	- / -	- / -	12 / 35.691

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	9	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	12
Out	6	1	-	-	-	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	12

Method of Implementation: [none specified] : Installation Name: Non-FMP Shore Site Units

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 / 4.800	1 / 2.302	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 7.102

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16	P-1 Line Item Number / Title: 1610 / LSD Midlife	Modification Number / Title: 2 / ST001 - Steering Control System

Modification Item 1 of 1: ST001 - Steering Control System

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: Non-FMP Shore Site Units

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)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 4.800	1 / 2.302	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 7.102

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Out	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2

Footnotes:

⁽²⁾ Installation costs differ slightly between LSD 41 and LSD 49 class ships. FY13 installation funding for FMP Ship Units is for install advance planning and DSA for FY14 installations.

⁽³⁾ FY12 Non-FMP shore site installation funding covers advance planning and installation costs for one school house and advance planning for the second school house. FY13 Non-FMP shore site installation funding covers installation costs of the second school house.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16	P-1 Line Item Number / Title: 1610 / LSD Midlife	Modification Number / Title: 3 / ST001 - A/C Plant (LSD 44 -52)

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>)	42.755	3.202	5.388	-	-	-	0.600	-	8.300	-	7.802	68.047
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	42.755	3.202	5.388	-	-	-	0.600	-	8.300	-	7.802	68.047
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	42.755	3.202	5.388	-	-	-	0.600	-	8.300	-	7.802	68.047
<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:

This Ship Change installs an additional ruggedized Coast Guard developed 130 Ton Air-Conditioning (A/C) Plant installed in a new auxiliary machinery room. Increased heat loads from additional/new equipment and increased chilled-water requirements from C4I upgrades have surpassed the A/C systems ability to meet HVAC Design Criteria for air conditioning and chilled-water.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16				P-1 Line Item Number / Title: 1610 / LSD Midlife				Modification Number / Title: 3 / ST001 - A/C Plant (LSD 44 -52)					
Models of Systems Affected: A/C Plant (LSD44-52)			Modification Type: [No Modification Type Specified]					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: ST001 - A/C Plant (LSD 44 -52)													
B Kits													
Recurring													
2.1.1) FMP Ship Units - NonOrganic ⁽⁴⁾	7 / 4.412	- / -	- / -	- / -	- / -	- / -	1 / 0.500	- / -	- / -	- / -	1 / 0.500	9 / 5.412	
2.1.2) Non-FMP Short Site Units - NonOrganic ⁽⁵⁾	2 / 0.943	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.943	
Subtotal: Recurring	- / 5.355	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / -	- / -	- / -	- / 0.500	- / 6.355	
Subtotal: ST001 - A/C Plant (LSD 44 -52)	9 / 5.355	- / -	- / -	- / -	- / -	- / -	1 / 0.500	- / -	- / -	- / -	1 / 0.500	11 / 6.355	
Subtotal: Procurement, All Modification Items	- / 5.355	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / -	- / -	- / -	- / 0.500	- / 6.355	
Installation													
Modification Item 1 of 1: ST001 - A/C Plant (LSD 44 -52)	- / 37.400	- / 3.202	- / 5.388	- / -	- / -	- / -	- / 0.100	- / -	- / 8.300	- / -	- / 7.302	- / 61.692	
Subtotal: Installation	- / 37.400	- / 3.202	- / 5.388	- / -	- / -	- / -	- / 0.100	- / -	- / 8.300	- / -	- / 7.302	- / 61.692	
Total													
Total Cost (Procurement + Support + Installation)	42.755	3.202	5.388	-	-	-	0.600	-	8.300	-	7.802	68.047	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16	P-1 Line Item Number / Title: 1610 / LSD Midlife	Modification Number / Title: 3 / ST001 - A/C Plant (LSD 44 -52)

Modification Item 1 of 1: ST001 - A/C Plant (LSD 44 -52)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: York Marine	Manufacturer Location: >York, PA
Administrative Leadtime (in Months): 5	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: FMP Ship Units

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	6 / 35.300	- / 1.242	1 / 5.388	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 41.930
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.100	- / -	1 / 8.300	- / -	- / -	1 / 8.400
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 7.302	1 / 7.302
Total	6 / 35.300	- / 1.242	1 / 5.388	- / -	- / -	- / -	- / 0.100	- / -	1 / 8.300	- / -	1 / 7.302	9 / 57.632

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	6	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	9	
Out	3	1	-	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	9	

Method of Implementation: AIT : Installation Name: Non-FMP Short Site Units

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 / 2.100	1 / 1.960	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.060

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16	P-1 Line Item Number / Title: 1610 / LSD Midlife	Modification Number / Title: 3 / ST001 - A/C Plant (LSD 44 -52)

Modification Item 1 of 1: ST001 - A/C Plant (LSD 44 -52)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: AIT : Installation Name: Non-FMP Short Site Units

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)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 2.100	1 / 1.960	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.060

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
Out	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		

Footnotes:

(4) Installation costs differ slightly between LSD 41 and LSD 49 class ships. FY13 installation funding for FMP ship units is for install advance planning and DSA for FY14 installations.

(5) FY12 Non-FMP shore site installation funding covers advance planning and installation costs for one school house and advance planning for the second school house. FY13 Non-FMP shore site installation funding covers installation costs of the second school house.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16	P-1 Line Item Number / Title: 1610 / LSD Midlife	Modification Number / Title: 4 / ST001 - 30T Deck Crane Control Sys

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>)	6.300	2.200	4.221	-	-	-	-	-	-	-	4.000	16.721
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	6.300	2.200	4.221	-	-	-	-	-	-	-	4.000	16.721
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	6.300	2.200	4.221	-	-	-	-	-	-	-	4.000	16.721
<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:

This ship change replaces the control system for the 30 Ton Crane with a modern, electronic, computerized control system. The existing 30 Ton Crane control system was designed in the late 1970s and is no longer logistically supported. Maintenance costs continue to be high due to the difficulty in obtaining repair parts and frequent failure of components. In addition, mission capability has been frequently degraded because the Deck Crane is required to support USMC amphibious assault landings and boat ops. New 30 Ton Crane Controls are expected to reduce Total Ownership Costs of the Crane. A five year payback period is expected.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16				P-1 Line Item Number / Title: 1610 / LSD Midlife				Modification Number / Title: 4 / ST001 - 30T Deck Crane Control Sys					
Models of Systems Affected: 30T Deck Crane			Modification Type: [No Modification Type Specified]					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: ST001 - 30T Deck Crane Control Sys													
B Kits													
Recurring													
1.1.1) FMP Ship Units - NonOrganic ⁽⁶⁾	1 / 3.200	2 / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.600	4 / 7.000	
Subtotal: Recurring	- / 3.200	- / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.600	- / 7.000	
Subtotal: ST001 - 30T Deck Crane Control Sys	1 / 3.200	2 / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.600	4 / 7.000	
Subtotal: Procurement, All Modification Items	- / 3.200	- / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.600	- / 7.000	
Installation													
Modification Item 1 of 1: ST001 - 30T Deck Crane Control Sys	- / 3.100	- / -	- / 4.221	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.400	- / 9.721	
Subtotal: Installation	- / 3.100	- / -	- / 4.221	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.400	- / 9.721	
Total													
Total Cost (Procurement + Support + Installation)	6.300	2.200	4.221	-	-	-	-	-	-	-	4.000	16.721	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16	P-1 Line Item Number / Title: 1610 / LSD Midlife	Modification Number / Title: 4 / ST001 - 30T Deck Crane Control Sys

Modification Item 1 of 1: ST001 - 30T Deck Crane Control Sys

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Rockwell				Manufacturer Location: >Milwaukee, WI			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Oct 2012						
Delivery Dates	Oct 2013						

Installation Information

Method of Implementation: SHIPYARD/AIT : Installation Name: FMP Ship Units

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 / 3.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.100
FY 2013	- / -	- / -	2 / 4.221	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.221
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.400	1 / 2.400
Total	1 / 3.100	- / -	2 / 4.221	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.400	4 / 9.721

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	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	

Footnotes:

⁽⁶⁾ Total Requirement is 4 for the Program. Congressional Add Funds procured 1 in PY. FY13 installation funding for FMP ship units is for install advance planning and DSA for FY14 installations.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16	P-1 Line Item Number / Title: 1610 / LSD Midlife	Modification Number / Title: 5 / ST001 - Low Pressure Air Compressor

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>)	16.430	-	-	-	-	-	0.800	-	1.130	-	-	18.360
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	16.430	-	-	-	-	-	0.800	-	1.130	-	-	18.360
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	16.430	-	-	-	-	-	0.800	-	1.130	-	-	18.360
<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:

This Ship Change replaces the Low-Pressure Air Compressors (LPAC) with modern, oil-free compressors. Parts obsolescence is a rapidly growing and more costly problem on these maintenance intensive compressors. This Ship Change provides Return On Investment (ROI) through improved reliability and maintainability of LPACs and reduced maintenance by elimination of oil contamination of pneumatic controls components (new compressors are oil-free). In addition, the new compressors will provide significant readiness improvement through increased reliability of Vital, low-pressure air supply to Vital combat systems and the main propulsion controls.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16				P-1 Line Item Number / Title: 1610 / LSD Midlife				Modification Number / Title: 5 / ST001 - Low Pressure Air Compressor				
Models of Systems Affected: LPAC				Modification Type: [No Modification Type Specified]				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: ST001 - Low Pressure Air Compressor												
B Kits												
Recurring												
1.1.1) FMP Ship Units - NonOrganic ⁽⁷⁾	7 / 5.730	- / -	- / -	- / -	- / -	- / -	1 / 0.700	- / -	- / -	- / -	- / -	8 / 6.430
Subtotal: Recurring	- / 5.730	- / -	- / -	- / -	- / -	- / -	- / 0.700	- / -	- / -	- / -	- / -	- / 6.430
Subtotal: ST001 - Low Pressure Air Compressor	7 / 5.730	- / -	- / -	- / -	- / -	- / -	1 / 0.700	- / -	- / -	- / -	- / -	8 / 6.430
Subtotal: Procurement, All Modification Items	- / 5.730	- / -	- / -	- / -	- / -	- / -	- / 0.700	- / -	- / -	- / -	- / -	- / 6.430
Installation												
Modification Item 1 of 1: ST001 - Low Pressure Air Compressor	- / 10.700	- / -	- / -	- / -	- / -	- / -	- / 0.100	- / -	- / 1.130	- / -	- / -	- / 11.930
Subtotal: Installation	- / 10.700	- / -	- / -	- / -	- / -	- / -	- / 0.100	- / -	- / 1.130	- / -	- / -	- / 11.930
Total												
Total Cost (Procurement + Support + Installation)	16.430	-	-	-	-	-	0.800	-	1.130	-	-	18.360

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16	P-1 Line Item Number / Title: 1610 / LSD Midlife	Modification Number / Title: 5 / ST001 - Low Pressure Air Compressor

Modification Item 1 of 1: ST001 - Low Pressure Air Compressor

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: RIX	Manufacturer Location: >Benecia, CA
Administrative Leadtime (<i>in Months</i>): 5	Production Leadtime (<i>in Months</i>): 10

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: FMP Ship Units

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	7 / 10.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 10.700
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.100	- / -	1 / 1.130	- / -	- / -	1 / 1.230
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	7 / 10.700	- / -	- / -	- / -	- / -	- / -	- / 0.100	- / -	1 / 1.130	- / -	- / -	8 / 11.930

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	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	8
Out	6	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	8

Footnotes:

⁽⁷⁾ 1 shipset equals 3 LPAC

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16	P-1 Line Item Number / Title: 1610 / LSD Midlife	Modification Number / Title: 6 / ST001 - RO & Generators

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>)	403.915	26.683	50.766	-	-	-	0.683	11.800	5.130	27.500	-	526.477
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	403.915	26.683	50.766	-	-	-	0.683	11.800	5.130	27.500	-	526.477
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	403.915	26.683	50.766	-	-	-	0.683	11.800	5.130	27.500	-	526.477
<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:

This SHIPALT removes the auxiliary boilers and steam system equipment and replaces them with electrical equipment including Reverse Osmosis (RO) desalineators which replace the steam evaporators, and numerous electric heaters and galley equipment replacing their steam counterparts. This SHIPALT provides significant Return On Investment (ROI) through improved reliability and maintainability of electrical ship systems/equipment versus the obsolete and maintenance intensive steam systems/equipment. Also, additional electrical plant loads will improve efficient operation of the currently under-loaded SSDGs and contribute to the ROI through reduced maintenance costs for the SSDGs. These ship systems will also increase ships force safety and eliminate personnel hazards from steam.

UNCLASSIFIED

LI 1610 - LSD Midlife
Navy

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16										P-1 Line Item Number / Title: 1610 / LSD Midlife										Modification Number / Title: 6 / ST001 - RO & Generators											
Modification Item 1 of 1: ST001 - RO & Generators																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Aqua-Chem															Manufacturer Location: >Knoxville, TN																
Administrative Leadtime (in Months): 5															Production Leadtime (in Months): 12																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Oct 2012																													
Delivery Dates		Oct 2013																													
Installation Information																															
Method of Implementation: SHIPYARD/AIT : Installation Name: FMP Ship Units																															
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		9 / 263.338		- / 6.886		1 / 25.383		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		10 / 295.607							
FY 2013		- / -		- / 6.886		1 / 25.383		- / -		- / -		- / -		- / 0.683		- / -		- / -		- / -		- / -		1 / 32.952							
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 4.830		1 / 27.500		- / -		1 / 32.330							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		9 / 263.338		- / 13.772		2 / 50.766		- / -		- / -		- / -		- / 0.683		- / -		- / 4.830		1 / 27.500		- / -		12 / 360.889							
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	9	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	12
Out	6	1	-	-	-	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	12
Method of Implementation: AIT : Installation Name: Non-FMP Shore Site Units																															
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 / 13.750		1 / 6.883		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 20.633							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16	P-1 Line Item Number / Title: 1610 / LSD Midlife	Modification Number / Title: 6 / ST001 - RO & Generators

Modification Item 1 of 1: ST001 - RO & Generators

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: AIT : Installation Name: Non-FMP Shore Site Units

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)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 13.750	1 / 6.883	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 20.633

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
Out	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		

Footnotes:

⁽⁸⁾ FY13 installation funding for FMP ship units is for install advance planning and DSA for FY14 installations.

⁽⁹⁾ FY12 Non-FMP shore site installation funding covers advance planning and installation costs for one school house and advance planning for the second school house. FY13 Non-FMP shore site installation funding covers installation costs of the second school house.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16	P-1 Line Item Number / Title: 1610 / LSD Midlife	Modification Number / Title: 7 / ST001 - Canned Lube Oil Pump

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>)	13.780	0.830	1.144	-	-	-	-	-	2.150	-	-	17.904
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	13.780	0.830	1.144	-	-	-	-	-	2.150	-	-	17.904
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	13.780	0.830	1.144	-	-	-	-	-	2.150	-	-	17.904
<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:

Procures and installs a lube oil pump for the ship service diesel generators.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16				P-1 Line Item Number / Title: 1610 / LSD Midlife				Modification Number / Title: 7 / ST001 - Canned Lube Oil Pump					
Models of Systems Affected: Canned Lube Oil Pump				Modification Type: [No Modification Type Specified]				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: ST001 - Canned Lube Oil Pump													
B Kits													
Recurring													
1.1.1) FMP Ship Units - NonOrganic ⁽¹⁰⁾	10 / 7.080	1 / 0.615	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.700	- / -	- / -	12 / 8.395	
Subtotal: Recurring	- / 7.080	- / 0.615	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.700	- / -	- / -	- / 8.395	
Subtotal: ST001 - Canned Lube Oil Pump	10 / 7.080	1 / 0.615	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.700	- / -	- / -	12 / 8.395	
Subtotal: Procurement, All Modification Items	- / 7.080	- / 0.615	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.700	- / -	- / -	- / 8.395	
Installation													
Modification Item 1 of 1: ST001 - Canned Lube Oil Pump	- / 6.700	- / 0.215	- / 1.144	- / -	- / -	- / -	- / -	- / -	- / 1.450	- / -	- / -	- / 9.509	
Subtotal: Installation	- / 6.700	- / 0.215	- / 1.144	- / -	- / -	- / -	- / -	- / -	- / 1.450	- / -	- / -	- / 9.509	
Total													
Total Cost (Procurement + Support + Installation)	13.780	0.830	1.144	-	-	-	-	-	2.150	-	-	17.904	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																																
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16										P-1 Line Item Number / Title: 1610 / LSD Midlife										Modification Number / Title: 7 / ST001 - Canned Lube Oil Pump																						
Modification Item 1 of 1: ST001 - Canned Lube Oil Pump																																										
Modification Item MDAP/MAIS Code:																																										
Manufacturer Information																																										
Manufacturer Name: IMO Pumps													Manufacturer Location: >Monroe, NC																													
Administrative Leadtime (in Months): 4													Production Leadtime (in Months): 10																													
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019																
Contract Dates		Nov 2012																																								
Delivery Dates		Sep 2013																																								
Installation Information																																										
Method of Implementation: SHIPYARD/AIT : Installation Name: FMP Ship Units																																										
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)					
Prior Years		9 / 6.700		-		/ 0.107		1 / 0.572		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		10 / 7.379								
FY 2013		-		/ -		-		/ 0.108		1 / 0.572		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		1 / 0.680										
FY 2014		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -										
FY 2015		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -										
FY 2016		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -										
FY 2017		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -										
FY 2018		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		1 / 1.450		-		/ -		-		/ -		1 / 1.450										
FY 2019		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -										
To Complete		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -		-		/ -										
Total		9 / 6.700		-		/ 0.215		2 / 1.144		-		/ -		-		/ -		-		/ -		-		/ -		1 / 1.450		-		/ -		-		/ 9.509								
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	9	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-											
Out	6	1	-	-	-	2	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-											
Footnotes: ⁽¹⁰⁾ Total requirement is 11. Congressional Add Funds procured 5 and installed 3 in PY. FY13 installation funding for FMP ship units is for install advance planning and DSA for FY14 installations. FY14 install costs have increased (added 4 sliding gate valves and their programmable logic controllers) to fix a low oil pressure problem that resulted in main propulsion diesel engine shutdowns causing a navigation/safety of ship hazard.																																										

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16	P-1 Line Item Number / Title: 1610 / LSD Midlife	Modification Number / Title: 8 / ST001 - Tech Refresh

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>)	0.000	-	1.977	-	-	-	-	-	0.570	-	-	2.547
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	1.977	-	-	-	-	-	0.570	-	-	2.547
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	1.977	-	-	-	-	-	0.570	-	-	2.547
<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:

Upgrades to internal computer hardware and software on the Mid-Life Installed control systems for the Propulsion Load Management Unit (PLMU), Steering Control System and RO & Generators on the earlier installations of these systems in accordance with standard Navy Computer Control System Tech Refresh requirements.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16				P-1 Line Item Number / Title: 1610 / LSD Midlife				Modification Number / Title: 8 / ST001 - Tech Refresh					
Models of Systems Affected: Tech Refresh				Modification Type: [No Modification Type Specified]				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: ST001 - Tech Refresh													
B Kits													
Recurring													
1.1.1) Tech Refresh - NonOrganic	- / -	- / -	4 / 1.467	- / -	- / -	- / -	- / -	- / -	1 / 0.370	- / -	- / -	5 / 1.837	
Subtotal: Recurring	- / 0.000	- / -	- / 1.467	- / -	- / -	- / -	- / -	- / -	- / 0.370	- / -	- / -	- / 1.837	
Subtotal: ST001 - Tech Refresh	- / -	- / -	4 / 1.467	- / -	- / -	- / -	- / -	- / -	1 / 0.370	- / -	- / -	5 / 1.837	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 1.467	- / -	- / -	- / -	- / -	- / -	- / 0.370	- / -	- / -	- / 1.837	
Installation													
Modification Item 1 of 1: ST001 - Tech Refresh	- / 0.000	- / -	- / 0.510	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / -	- / -	- / 0.710	
Subtotal: Installation	- / 0.000	- / -	- / 0.510	- / -	- / -	- / -	- / -	- / -	- / 0.200	- / -	- / -	- / 0.710	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	1.977	-	-	-	-	-	0.570	-	-	2.547	

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Exhibit P-3a, Individual Modification: PB 2015 Navy			Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 01 / 16		P-1 Line Item Number / Title: 1610 / LSD Midlife			Modification Number / Title: 8 / ST001 - Tech Refresh

Modification Item 1 of 1: ST001 - Tech Refresh

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Various				Manufacturer Location: >Various			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 3			

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

Installation Information

Method of Implementation: AIT : Installation Name: Tech Refresh

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	- / -	- / -	4 / 0.510	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.510
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.200	- / -	- / -	1 / 0.200
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	4 / 0.510	- / -	- / -	- / -	- / -	- / -	1 / 0.200	- / -	- / -	5 / 0.710

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

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